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# FERTILIZER REPORT

## 1941

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*Secretary of Agriculture*

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CONTENTS


| | Page |
|---|---|
| Introduction | 3 |
| Brands Registered and Tonnage Sales | 4 |
| Conclusions | 4 |
| Table I, Deficiencies | 5 |
| Table II, Average Analyses and Retail Prices | 5 |
| Key to Tables | 6 |
| Table III, Complete Fertilizers | 7 |
| Table IV, Ground Bone Fertilizers | 19 |
| Table V, Superphosphate and Lime Phosphate Fertilizers | 20 |
| Table VI, Rock and Potash Fertilizers | 24 |
| Table VII, Miscellaneous Fertilizers | 26 |

# FERTILIZER REPORT 1941

## INTRODUCTION

All products intended for fertilizing purposes are required to be registered annually in accordance with the provisions of the Pennsylvania Fertilizer Law, Act of May 1, 1909, as amended. The dung of domestic animals, marl, lime, and wood ashes are exempt.

Section 1 requires the following information to be shown on sacks or attached cards: (a) The number of pounds of fertilizer contained in the package; (b) the name, brand, or trade mark under which the fertilizer is sold; (c) the name and principal address of the manufacturer, importer, or other person putting the fertilizer on the market in this Commonwealth; (d) guarantee for nitrogen; (e) guarantee for total phosphoric acid, except in mixed and superphosphate fertilizers; (f) guarantee for available phosphoric acid; (g) guarantee for potash soluble in distilled water.

All mixed fertilizers are required to contain at least sixteen units of plant food based upon guarantees for nitrogen, available phosphoric acid, and water soluble potash, and which guarantee must be stated in even units.

Applications for registration are forwarded to each licensed manufacturer at the end of the calendar year, and it is necessary to report on same the preceding year's tonnage sales of each brand in order that license or registration fee can be properly computed. Tonnage sales are likewise required for brands even though they are not to be re-registered.

The Agents of the Bureau of Foods and Chemistry are authorized to obtain official samples which, together with reports giving full information for each individual sample, are forwarded direct to the Laboratory where a check of records is made to determine whether the brands are registered. Where it is found that these official samples are duly registered, an analysis is conducted to ascertain whether or not the fertilizer meets its guaranteed analysis.

During the year 1941, the Agents of the Department collected 1,204 official samples, and of this number, 1,162, representing 469 brands, registered by 48 manufacturers, were subjected to analysis and classified as follows:

| | BRANDS | SAMPLES |
|---|---|---|
| Complete Fertilizers..... | 336 | 841 |
| Ground Bone Fertilizers..... | 14 | 22 |
| Superphosphate Fertilizers..... | 58 | 186 |
| Lime Phosphate Fertilizers..... | 8 | 14 |
| Rock and Potash Fertilizers..... | 47 | 90 |
| Miscellaneous Fertilizers..... | 6 | 9 |
| Total | 469 | 1162 |

## BRANDS REGISTERED AND TONNAGE SALES

The registration fee for each new brand of fertilizer is $15, and where old brands are to be re-registered, the scale of fees is as follows: 0 to 150 tons, $15; over 150 tons to 250 tons, $20; over 250 tons to 400 tons, $30; over 400 tons to 500 tons, $40; over 500 tons, $50.

Licenses were issued to 122 manufacturers to cover sales of their brands for the year 1941. These licenses included 998 brands of which 789 were mixed fertilizers and 209 so-called "base" materials such as nitrate of soda, sulphate of ammonia, bone, etc.

The 1941 applications for registration showed that 359,037 tons of all classes of fertilizers were sold during the year 1940, (compared with 358,111 tons sold during 1939) and classified as follows: Complete Fertilizers, 253,760 tons; Ground Bone Fertilizers, 2,536 tons; Superphosphate Fertilizers, 81,742 tons; Lime Phosphate Fertilizers, 3,837 tons; Ammoniated Phosphate Fertilizers, 6 tons; Rock and Potash Fertilizers, 10,478 tons; and Miscellaneous Fertilizers, including the following: Tankage, 2,530 tons; Dried Blood, 8 tons; Nitrate of Soda, 149 tons; Potash Salts, 735 tons; Sulphate of Ammonia, 967 tons; and unclassified 2,289 tons.

The 1940 tonnage figure reveals that there were supplied 8,518 tons of nitrogen, 46,055 tons of available phosphoric acid, and 17,837 tons of water soluble potash, or a total of 72,410 tons of plant food. The amount of plant food is in excess of that supplied during the year 1939, namely, 70,358 tons.

## CONCLUSIONS

Of the 1,162 official samples analyzed, 118 or 10.15% were found to be deficient in one or more elements of plant food, to the extent of .2% or more. The proportion of deficiencies is lower than that reported for the year 1940.

Considering the plant food elements separately, 44 samples or 5.06% were found to be deficient in nitrogen, 24 or 2.08% deficient in phosphoric acid, and 53 or 5.68% deficient in water soluble potas.

Of the total number of fertilizers analyzed, 841 were complete fertilizers and 104 or 12.37% were found to be deficient, 44 or 5.23% deficient in nitrogen, 16 or 1.90% in available phosphoric aci, and 46 or 5.47% in water soluble potash.

The Law requires that when the word "tobacco" is used as a part of the brand name, the potash content must be in a form other than chloride.

The average unit values, estimated from the average retail selling prices, were as follows: Nitrogen $2.56, Available Phosphoric Acid $1.01, Water Soluble Potash $1.72.

The average retail selling price for Complete Fertilizers was $31.63 a ton, compared with $31.09 for 1940.

It is noted that 10.15% of all samples collected during the year 1941 were found to be deficient, which deficiency is lower than the previous year's inspection. In most instances the deficiencies were balanced by overages in other elements. Where the deficiencies were found to be of a serious nature, prosecution was instituted.

TABLE 1 DEFICIENCIES

| CLASS OF FERTILIZERS | SAMPLES | Number Deficient in NITROGEN | AVAILABLE PHOSPHORIC ACID | POTASH |
|---|---|---|---|---|
| Complete Fertilizers..... | 841 | 44 | 16 | 46 |
| Ground Bone Fertilizers..... | 22 | -- | *4 | -- |
| Superphosphate Fertilizers.... | 186 | -- | -- | -- |
| Lime Phosphate Fertilizers.... | 14 | -- | -- | -- |
| Rock and Potash Fertilizers... | 90 | -- | 4 | 7 |
| Miscellaneous Fertilizers..... | 9 | -- | -- | -- |
| TOTAL..... | 1162 | 44 | 24 | 53 |

*Total Phosphoric Acid

TABLE 11 AVERAGE ANALYSES AND RETAIL PRICES

| FORM OF PLANT FOOD | COMPLETE FERTILIZERS | GROUND BONE FERTILIZERS | SUPERPHOSPHATE FERTILIZERS* | ROCK AND POTASH FERTILIZERS |
|---|---|---|---|---|
| | Per Cent | Per Cent | Per Cent | Per Cent |
| Nitrogen..... | 3.30 | 3.79 | ---- | ---- |
| Total Phosphoric Acid..... | ---- | 23.14 | ---- | ---- |
| Available Phosphoric Acid. | 11.56 | ---- | 20.78 | 14.52 |
| Potash..... | 6.68 | ---- | ---- | 7.90 |
| Selling Price 1941..... | $31.63 | $50.90 | $21.08 | $28.24 |
| Selling Price 1940..... | $31.09 | $46.40 | $20.40 | $27.66 |

*Excluding Lime Phosphate

## KEY TO TABLES

The following tables include the results of chemical analyses of the official samples. Each sample was given a chemist's number and analyzed for the element or elements guaranteed.

The asterisk (*) indicates those samples found to be deficient to the extent of .2% or more.

Table III. Complete Fertilizers, furnishing Nitrogen, Available Phosphoric Acid, and Potash.

Table IV. Ground Bone Fertilizers, furnishing Nitrogen and Total Phosphoric Acid.

Table V. Superphosphate and Lime Phosphate Fertilizers, furnishing Available Phosphoric Acid.

Table VI. Rock and Potash Fertilizers, furnishing Available Phosphoric Acid and Potash.

Table VII. Miscellaneous Fertilizers, including Nitrate of Soda Sulphate of Ammonia and Muriate of Potash.

## WARNING

*"Section 5. Any person or persons selling, offering, or exposi for sale, any commercial fertilizer or any brand of the same, having a distinct trade-name, without the analysis required by section one o this act, or with an analysis stating that it contains a larger percentage of any one or more of the above-named constituents than is contained therein, or for the sale of which all the provisions of sections two and three have not been complied with, or any person violating any of the provisions of section four of this act, shall be guilty of a misdemeanor, and, on conviction, shall be sentenced to pa a fine of not less than twenty-five nor more than one hundred dollars for the first offense, and not less than two hunderd dollars for each subsequent offence....."

The Department of Agriculture, as the agency charged by the Legislature with the enforcement of the provisions of the Fertilizer Law, copies of which are available upon request, insists upon strict compliance therewith.

*Act of May 1, 1909, P. L. 344 as amended.

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| THE ACME GUANO CO., Baltimore, Md. | | | | | | | |
| Acme 2-8-10 (6221) | 2.19 | 2.00 | 8.84 | 8.00 | 10.87 | 10.00 | --- |
| Acme 2-9-5 (6219) | 2.29 | 2.00 | 9.70 | 9.00 | 5.88 | 5.00 | --- |
| Acme 2-9-5 (6942) | 2.22 | 2.00 | 9.39 | 9.00 | 5.69 | 5.00 | --- |
| Acme 2-12-4 (6220) | 2.28 | 2.00 | 12.08 | 12.00 | 4.65 | 4.00 | --- |
| Acme 2-12-6 (6223) | 2.29 | 2.00 | 12.54 | 12.00 | 6.85 | 6.00 | --- |
| Acme 3-12-6 (6218) | 3.26 | 3.00 | 12.18 | 12.00 | 6.53 | 6.00 | --- |
| Acme 3-12-6 (6940) | 3.10 | 3.00 | 12.41 | 12.00 | 6.35 | 6.00 | --- |
| Acme 4-8-8 (6217) | 4.05 | 4.00 | 8.11 | 8.00 | 8.53 | 8.00 | --- |
| THE AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y. | | | | | | | |
| AA Champion Fertilizer 2-9-5 (6381) | 1.89 | 2.00 | 9.12 | 9.00 | 5.14 | 5.00 | --- |
| AA Champion Fertilizer 2-9-5 (6570) | 2.11 | 2.00 | 9.78 | 9.00 | 5.18 | 5.00 | --- |
| AA Champion Fertilizer 2-9-5 (7160) | 2.03 | 2.00 | 9.53 | 9.00 | 5.17 | 5.00 | --- |
| AA Climax Fertilizer 3-12-6 (6214) | 3.29 | 3.00 | 12.93 | 12.00 | 6.00 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (6403) | 3.02 | 3.00 | 12.10 | 12.00 | 6.28 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (6656) | 3.06 | 3.00 | 12.69 | 12.00 | 6.33 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (6694) | 3.16 | 3.00 | 12.38 | 12.00 | 6.29 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (6884) | 3.25 | 3.00 | 12.41 | 12.00 | 6.38 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (7019) | 3.23 | 3.00 | 12.67 | 12.00 | 6.50 | 6.00 | --- |
| AA Climax Fertilizer 3-12-6 (7365) | 3.11 | 3.00 | 12.73 | 12.00 | 6.44 | 6.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (6208) | 2.09 | 2.00 | 12.27 | 12.00 | 4.01 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (6274) | 2.16 | 2.00 | 12.09 | 12.00 | 3.83 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (6374) | 2.30 | 2.00 | 12.92 | 12.00 | 3.90 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (6652) | 2.26 | 2.00 | 12.36 | 12.00 | 4.18 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (6798) | 2.10 | 2.00 | 12.75 | 12.00 | 4.38 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (7013) | 1.92 | 2.00 | 12.19 | 12.00 | 4.00 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (7064) | 2.03 | 2.00 | 12.43 | 12.00 | 4.08 | 4.00 | --- |
| AA Farmers Friend Fertilizer 2-12-4 (7157) | 2.24 | 2.00 | 13.51 | 12.00 | 4.25 | 4.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (6209) | 4.02 | 4.00 | 8.50 | 8.00 | *7.79 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (6269) | 4.09 | 4.00 | 8.73 | 8.00 | 8.36 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (6557) | 4.01 | 4.00 | 8.85 | 8.00 | 8.04 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (6654) | 4.10 | 4.00 | 8.73 | 8.00 | 8.20 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (6883) | 4.04 | 4.00 | 8.91 | 8.00 | 8.02 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (7010) | 4.01 | 4.00 | 8.20 | 8.00 | 8.00 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (7156) | 4.07 | 4.00 | 8.53 | 8.00 | 8.54 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (7208) | 4.09 | 4.00 | 9.01 | 8.00 | 8.30 | 8.00 | --- |
| AA Gladiator Fertilizer 4-8-8 (7367) | 4.15 | 4.00 | 9.05 | 8.00 | 8.02 | 8.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(6205) | 2.26 | 2.00 | 12.45 | 12.00 | 6.09 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(6272) | 2.03 | 2.00 | 12.40 | 12.00 | 5.89 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(6303) | 2.00 | 2.00 | 12.01 | 12.00 | 6.08 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(6376) | 2.07 | 2.00 | 12.33 | 12.00 | 6.03 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(6882) | 1.90 | 2.00 | 12.58 | 12.00 | 6.01 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(7056) | 2.22 | 2.00 | 12.17 | 12.00 | 6.05 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(7112) | 2.00 | 2.00 | 12.66 | 12.00 | 6.10 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(7209) | 2.09 | 2.00 | 13.30 | 12.00 | 6.33 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(7253) | 2.09 | 2.00 | 12.68 | 12.00 | 6.47 | 6.00 | --- |
| AA Horse Shoe Fertilizer 2-12-6(7349) | 2.19 | 2.00 | 12.57 | 12.00 | 6.45 | 6.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (6204) | 2.25 | 2.00 | 8.12 | 8.00 | 10.56 | 10.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (6271) | 2.06 | 2.00 | 8.15 | 8.00 | 10.49 | 10.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (6485) | 2.28 | 2.00 | 8.51 | 8.00 | 10.44 | 10.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (6558) | 2.11 | 2.00 | 8.18 | 8.00 | 10.02 | 10.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (7020) | 2.01 | 2.00 | 8.20 | 8.00 | 10.25 | 10.00 | --- |
| AA Old Hickory Fertilizer 2-8-10 (7111) | 1.83 | 2.00 | 9.23 | 8.00 | 10.00 | 10.00 | --- |
| AA Pathfinder Fertilizer 4-12-4 (6301) | 4.23 | 4.00 | 12.60 | 12.00 | 4.30 | 4.00 | --- |
| AA Pathfinder Fertilizer 4-12-4 (7011) | 4.30 | 4.00 | 12.11 | 12.00 | 4.95 | 4.00 | --- |
| AA Pathfinder Fertilizer 4-12-4 (7054) | 4.01 | 4.00 | 12.08 | 12.00 | 4.50 | 4.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (6207) | 2.07 | 2.00 | 9.69 | 9.00 | 5.49 | 5.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (6273) | 2.03 | 2.00 | 9.09 | 9.00 | 5.25 | 5.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (6484) | 2.16 | 2.00 | 9.53 | 9.00 | 5.43 | 5.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (6926) | 2.02 | 2.00 | 9.73 | 9.00 | 5.08 | 5.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (7014) | 2.01 | 2.00 | 9.43 | 9.00 | 5.22 | 5.00 | --- |
| AA Red Dog Fertilizer 2-9-5 (7108) | 2.01 | 2.00 | 9.96 | 9.00 | 5.16 | 5.00 | --- |
| AA Red Seal Fertilizer 5-10-5 (6215) | 5.04 | 5.00 | 9.91 | 10.00 | 5.11 | 5.00 | --- |
| AA Red Seal Fertilizer 5-10-5 (6653) | 5.24 | 5.00 | 10.50 | 10.00 | 5.19 | 5.00 | --- |
| AA Two in One Fertilizer 4-16-4 (6203) | 4.27 | 4.00 | 16.12 | 16.00 | 4.71 | 4.00 | --- |
| AA Two in One Fertilizer 4-16-4 (6383) | 4.29 | 4.00 | 17.64 | 16.00 | 4.19 | 4.00 | --- |
| AA Two in One Fertilizer 4-16-4 (6885) | 4.14 | 4.00 | 17.54 | 16.00 | 4.30 | 4.00 | --- |
| AA Two in One Fertilizer 4-16-4 (7009) | 4.02 | 4.00 | 16.32 | 16.00 | 4.47 | 4.00 | --- |
| AA Two in One Fertilizer 4-16-4 (7155) | 4.18 | 4.00 | 17.31 | 16.00 | 4.28 | 4.00 | --- |
| Agrico Country Club Fertilizer 8-6-2 (7162) | *6.87 | 8.00 | 8.73 | 6.00 | 2.93 | 2.00 | --- |
| Agrico for Corn 3-12-6 (6170) | 3.09 | 3.00 | 12.35 | 12.00 | 6.63 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6206 | 3.17 | 3.00 | 12.14 | 12.00 | 5.89 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6276) | 3.18 | 3.00 | 12.57 | 12.00 | 6.15 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6379) | 3.09 | 3.00 | 12.34 | 12.00 | 6.04 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6490) | 3.11 | 3.00 | 12.38 | 12.00 | 6.17 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6556) | 3.14 | 3.00 | 12.29 | 12.00 | 6.05 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6569) | 3.16 | 3.00 | 12.60 | 12.00 | 6.29 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6735) | 3.19 | 3.00 | 12.61 | 12.00 | 6.09 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6759) | 3.09 | 3.00 | 12.23 | 12.00 | 6.02 | 6.00 | --- |
| Agrico for Corn 3-12-6 (6878) | 3.09 | 3.00 | 12.55 | 12.00 | 6.21 | 6.00 | --- |
| Agrico for Corn 3-12-6 (7212) | 3.20 | 3.00 | 12.52 | 12.00 | 6.35 | 6.00 | --- |
| Agrico for Corn 3-12-6 (7248) | 3.10 | 3.00 | 12.54 | 12.00 | 6.26 | 6.00 | --- |
| Agrico for Corn 4-16-4 (6647) | 4.19 | 4.00 | 16.76 | 16.00 | 4.43 | 4.00 | --- |
| Agrico for Fruit 10-6-4 (6373) | 10.05 | 10.00 | 6.61 | 6.00 | 4.00 | 4.00 | --- |
| Agrico for Gardene 4-10-4 (7371) | 4.54 | 4.00 | 11.21 | 10.00 | 4.50 | 4.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Agrico for Grain 2-12-4 (6171) | 2.13 | 2.00 | 12.46 | 12.00 | 4.64 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6210) | 2.17 | 2.00 | 12.53 | 12.00 | 4.12 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6375) | 2.13 | 2.00 | 12.47 | 12.00 | 3.98 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6488) | 2.29 | 2.00 | 12.82 | 12.00 | 4.29 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6567) | 2.70 | 2.00 | *11.68 | 12.00 | 5.82 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6733) | 2.03 | 2.00 | 12.22 | 12.00 | 4.23 | 4.00 | --- |
| Agrico for Grain 2-12-4 (6930) | 2.12 | 2.00 | 12.13 | 12.00 | 4.83 | 4.00 | --- |
| Agrico for Grain 2-12-4 (7015) | 2.03 | 2.00 | 12.46 | 12.00 | 4.04 | 4.00 | --- |
| Agrico for Grain 2-12-4 (7048) | 2.00 | 2.00 | 12.30 | 12.00 | 4.44 | 4.00 | --- |
| Agrico for Grain 2-12-4 (7230) | 2.11 | 2.00 | 12.92 | 12.00 | 4.11 | 4.00 | --- |
| Agrico for Grain 2-12-6 (6275) | 1.91 | 2.00 | 12.40 | 12.00 | 5.83 | 6.00 | --- |
| Agrico for Grain 2-12-6 (6384) | 2.28 | 2.00 | 12.72 | 12.00 | 6.00 | 6.00 | --- |
| Agrico for Grain 2-12-6 (6489) | 2.10 | 2.00 | 12.55 | 12.00 | 6.19 | 6.00 | --- |
| Agrico for Grain 2-12-6 (6568) | 2.24 | 2.00 | 12.62 | 12.00 | 6.15 | 6.00 | --- |
| Agrico for Grain 2-12-6 (6682) | 2.20 | 2.00 | 12.52 | 12.00 | 6.50 | 6.00 | --- |
| Agrico for Grain 2-12-6 (6756) | 2.21 | 2.00 | 12.66 | 12.00 | 6.19 | 6.00 | --- |
| Agrico for Grain 2-12-6 (7363) | 2.30 | 2.00 | 12.11 | 12.00 | 7.00 | 6.00 | --- |
| Agrico for Grain 2-16-6 (6216) | 2.29 | 2.00 | 17.3B | 16.00 | 6.11 | 6.00 | --- |
| Agrico for Grain 2-16-6 (7018) | 2.18 | 2.00 | 16.2B | 16.00 | 6.63 | 6.00 | --- |
| Agrico for Grain 2-16-6 (7055) | 2.10 | 2.00 | 16.20 | 16.00 | 6.45 | 6.00 | --- |
| Agrico for Potatoes 4-8-8 (6385) | 3.83 | 4.00 | 8.15 | 8.00 | 8.19 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6410) | 4.02 | 4.00 | 8.34 | 8.00 | 8.00 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6486) | 4.06 | 4.00 | B.40 | 8.00 | 8.18 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6555) | 4.04 | 4.00 | 8.86 | 8.00 | 8.54 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6692) | 4.01 | 4.00 | 8.34 | 8.00 | 8.06 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6757) | 4.01 | 4.00 | 8.26 | 8.00 | 8.34 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (6B80) | 4.23 | 4.00 | 8.99 | 8.00 | 8.00 | 8.00 | --- |
| Agrico for Potatoes 4-8-8 (7247) | 4.00 | 4.00 | B.38 | 8.00 | 8.39 | 8.00 | --- |
| Agrico for Potatoes 4-8-10 (6646) | 3.93 | 4.00 | B.30 | 8.00 | 10.08 | 10.00 | --- |
| Agrico for Potatoes 5-15-15 (7158) | 5.24 | 5.00 | 15.12 | 15.00 | 15.51 | 15.00 | --- |
| Agrico for Tomatoes 3-12-6 (6493) | 3.29 | 3.00 | 12.60 | 12.00 | 6.20 | 6.00 | --- |
| Agrico for Tomatoes 4-14-6 (6213) | 4.1B | 4.00 | 14.06 | 14.00 | 5.84 | 6.00 | --- |
| Agrico for Tomatoes 4-14-6 (6377) | 4.08 | 4.00 | 14.28 | 14.00 | 6.42 | 6.00 | --- |
| Agrico for Top Dressing 7-7-7 (6202) | 7.10 | 7.00 | 7.83 | 7.00 | 6.95 | 7.00 | --- |
| Agrico for Top Dressing 7-7-7 (6879) | 7.13 | 7.00 | 7.36 | 7.00 | 7.12 | 7.00 | --- |
| Agrico for Truck 5-10-5 (6308) | 4.89 | 5.00 | 10.96 | 10.00 | *4.77 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6372) | 5.06 | 5.00 | 10.54 | 10.00 | 5.04 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6409) | 5.26 | 5.00 | 10.63 | 10.00 | 4.87 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6494) | 5.28 | 5.00 | 9.97 | 10.00 | 5.64 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6554) | 5.00 | 5.00 | 10.46 | 10.00 | 5.83 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6681) | 5.26 | 5.00 | 10.7B | 10.00 | 5.10 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6736) | 5.13 | 5.00 | *9.50 | 10.00 | 4.97 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6828) | 5.29 | 5.00 | 10.27 | 10.00 | 5.08 | 5.00 | --- |
| Agrico for Truck 5-10-5 (6877) | 5.25 | 5.00 | 10.42 | 10.00 | 5.23 | 5.00 | --- |
| Agrico for Truck 5-10-5 (7161) | 5.29 | 5.00 | 11.13 | 10.00 | 5.01 | 5.00 | --- |
| Agrico for Truck 5-10-5 (7299) | *4.31 | 5.00 | 10.18 | 10.00 | 5.34 | 5.00 | --- |
| Agrico for Truck 5-10-10 (6211) | 5.2B | 5.00 | 10.33 | 10.00 | 9.95 | 10.00 | --- |
| Agrico for Wheat 2-12-6 (6931) | 2.11 | 2.00 | 12.68 | 12.00 | 6.23 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7003) | 2.13 | 2.00 | 12.27 | 12.00 | 6.31 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7045) | 2.05 | 2.00 | 12.18 | 12.00 | 6.01 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7047) | 2.27 | 2.00 | 12.45 | 12.00 | 5.91 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7113) | 2.09 | 2.00 | 12.83 | 12.00 | 6.24 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7159) | 2.01 | 2.00 | 12.83 | 12.00 | 6.12 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7233) | 2.03 | 2.00 | 12.72 | 12.00 | 6.16 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7300) | 1.B4 | 2.00 | 12.47 | 12.00 | 6.40 | 6.00 | --- |
| Agrico for Wheat 2-12-6 (7351) | 2.15 | 2.00 | 12.37 | 12.00 | 6.B1 | 6.00 | --- |
| Lister's Harvest Queen Fertilizer 2-9-5 (6212) | 2.01 | 2.00 | 9.04 | 9.00 | 5.14 | 5.00 | --- |
| Lister's Harvest Queen Fertilizer 2-9-5 (6492) | 2.07 | 2.00 | 10.10 | 9.00 | 5.47 | 5.00 | --- |
| ARMOUR FERTILIZER WORKS Baltimore, Md. | | | | | | | |
| Armour's Big Crop Fertilizer 2-B-10 (6250) | 2.16 | 2.00 | B.69 | B.00 | 10.34 | 10.00 | --- |
| Armour's Big Crop Fertilizer 2-B-10 (6625) | 2.11 | 2.00 | 8.26 | B.00 | 10.14 | 10.00 | --- |
| Armour's Big Crop Fertilizer 2-B-10 (7133) | 2.06 | 2.00 | 8.32 | 8.00 | 10.41 | 10.00 | --- |
| Armour's Big Crop Fertilizer 2-B-10 (7195) | 2.00 | 2.00 | 9.04 | 8.00 | 9.82 | 10.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (6247) | 2.01 | 2.00 | 9.66 | 9.00 | 5.28 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (6620) | 2.01 | 2.00 | 9.6B | 9.00 | 5.16 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (6674) | 2.01 | 2.00 | 9.73 | 9.00 | 5.07 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (6961) | 1.90 | 2.00 | 9.60 | 9.00 | 5.16 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (7130) | 2.13 | 2.00 | 9.20 | 9.00 | 5.06 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-9-5 (7352) | 2.13 | 2.00 | 9.B9 | 9.00 | 5.31 | 5.00 | --- |
| Armour's Big Crop Fertilizer 2-12-4 (6606) | 2.10 | 2.00 | 12.04 | 12.00 | 4.37 | 4.00 | --- |
| Armour's Big Crop Fertilizer 2-12-4 (6617) | 2.20 | 2.00 | 12.26 | 12.00 | 4.26 | 4.00 | --- |
| Armour's Big Crop Fertilizer 2-12-4 (7063) | 2.10 | 2.00 | 12.55 | 12.00 | 4.02 | 4.00 | --- |
| Armour's Big Crop Fertilizer 2-12-4 (7201) | 2.01 | 2.00 | 12.B2 | 12.00 | 4.06 | 4.00 | --- |
| Armour's Big Crop Fertilizer 2-12-6 (6256) | 2.02 | 2.00 | 12.51 | 12.00 | 6.62 | 6.00 | --- |
| Armour's Big Crop Fertilizer 2-12-6 (6353) | 2.11 | 2.00 | 12.22 | 12.00 | 6.49 | 6.00 | --- |
| Armour's Big Crop Fertilizer 2-12-6 (6432) | 2.00 | 2.00 | 12.07 | 12.00 | 6.29 | 6.00 | --- |
| Armour's Big Crop Fertilizer 2-12-6 (6619) | 2.06 | 2.00 | 12.66 | 12.00 | 7.11 | 6.00 | --- |
| Armour's Big Crop Fertilizer 2-12-6 (667B) | 1.92 | 2.00 | 13.6B | 12.00 | *4.64 | 6.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Armour's 81g Crop Fertilizer 2-12-6 (6739) | 2.06 | 2.00 | 12.80 | 12.00 | *5.62 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 2-12-6 (6810) | 2.01 | 2.00 | 12.67 | 12.00 | 6.29 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 2-12-6 (6960) | 1.86 | 2.00 | 12.61 | 12.00 | 6.02 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 2-12-6 (6990) | 2.01 | 2.00 | 12.17 | 12.00 | 6.40 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 2-12-6 (7052) | 2.08 | 2.00 | 12.78 | 12.00 | 6.06 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 2-12-6 (7132) | 2.17 | 2.00 | 12.14 | 12.00 | 6.25 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 2-12-6 (7224) | 2.04 | 2.00 | 12.81 | 12.00 | 6.40 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 2-12-6 (7293) | 2.02 | 2.00 | 12.91 | 12.00 | 6.34 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 2-12-6 (7353) | 2.10 | 2.00 | 12.81 | 12.00 | 5.97 | 6.00 | --- |
| Armour's Big Crop Fertilizer 3-12-6 (6257) | *2.02 | 3.00 | 12.51 | 12.00 | 6.36 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 3-12-6 (6431) | 3.01 | 3.00 | 12.19 | 12.00 | 6.02 | 6.00 | --- |
| Armour'e Big Crop Fertilizer 3-12-6 (6621) | 3.16 | 3.00 | 12.76 | 12.00 | 6.03 | 6.00 | --- |
| Armour's Big Crop Fertilizer 3-12-6 (6818) | 3.02 | 3.00 | 12.62 | 12.00 | *5.69 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 3-12-6 (7050) | 3.07 | 3.00 | 12.39 | 12.00 | 6.32 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 3-12-6 (7131) | 3.06 | 3.00 | 12.41 | 12.00 | 6.20 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 3-12-6 (7193) | 3.09 | 3.00 | 12.50 | 12.00 | 6.24 | 6.00 | --- |
| Armour'e 81g Crop Fertilizer 3-12-6 (7226) | 2.86 | 3.00 | 12.04 | 12.00 | 6.21 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 3-12-6 (7295) | 2.84 | 3.00 | 13.06 | 12.00 | 5.96 | 6.00 | --- |
| Armour's 81g Crop Fertilizer 4-8-8 (6251) | 4.00 | 4.00 | 8.65 | 8.00 | 8.09 | 8.00 | --- |
| Armour's 81g Crop Fertilizer 4-8-8 (6266) | 4.00 | 4.00 | 8.48 | 8.00 | 8.53 | 8.00 | --- |
| Armour's Big Crop Fertilizer 4-8-8 (6283) | 4.01 | 4.00 | 8.39 | 8.00 | 8.10 | 8.00 | --- |
| Armour's 81g Crop Fertilizer 4-8-8 (6352) | 4.01 | 4.00 | 8.55 | 8.00 | 8.84 | 8.00 | --- |
| Armour's 81g Crop Fertilizer 4-8-8 (6429) | 4.01 | 4.00 | 8.42 | 8.00 | 8.36 | 8.00 | --- |
| Armour's 81g Crop Fertilizer 4-8-8 (6626) | 4.01 | 4.00 | 8.74 | 8.00 | 8.09 | 8.00 | --- |
| Armour's Big Crop Fertilizer 4-8-8 (6676) | 4.01 | 4.00 | 8.19 | 8.00 | 8.22 | 8.00 | --- |
| Armour's Big Crop Fertilizer 4-8-8 (6742) | 3.91 | 4.00 | 8.44 | 8.00 | 8.68 | 8.00 | --- |
| Armour's Big Crop Fertilizer 4-8-8 (6811) | 4.03 | 4.00 | 8.87 | 8.00 | 8.14 | 8.00 | --- |
| Armour's Big Crop Fertilizer 4-8-8 (7198) | *3.74 | 4.00 | 9.26 | 8.00 | 7.97 | 8.00 | --- |
| Armour's 81g Crop Fertilizer 4-12-4 (6249) | 4.01 | 4.00 | *11.34 | 12.00 | 5.29 | 4.00 | --- |
| Armour'e 81g Crop Fertilizer 4-12-4 (6356) | 3.83 | 4.00 | 12.47 | 12.00 | 3.94 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-12-4 (6627) | 4.02 | 4.00 | 12.86 | 12.00 | 4.28 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-12-4 (6737) | 3.91 | 4.00 | 12.34 | 12.00 | 4.38 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-12-4 (7199) | 4.27 | 4.00 | 12.94 | 12.00 | 4.27 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-12-4 (7241) | 4.05 | 4.00 | 13.13 | 12.00 | 4.32 | 4.00 | --- |
| Armour's Big Crop Fertilizer 4-12-4 (7294) | 3.90 | 4.00 | 12.86 | 12.00 | 4.31 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-16-4 (6260) | 4.20 | 4.00 | 16.92 | 16.00 | 4.34 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-16-4 (6618) | 4.13 | 4.00 | 16.86 | 16.00 | 4.04 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-16-4 (6738) | 4.07 | 4.00 | 16.82 | 16.00 | 4.27 | 4.00 | --- |
| Armour's Big Crop Fertilizer 4-16-4 (6982) | 4.09 | 4.00 | 17.26 | 16.00 | 3.88 | 4.00 | --- |
| Armour's 81g Crop Fertilizer 4-16-4 (7197) | 4.05 | 4.00 | 16.90 | 16.00 | 4.36 | 4.00 | --- |
| Armour's Big Crop Fertilizer 4-16-4 (7240) | 4.01 | 4.00 | 17.26 | 16.00 | 4.31 | 4.00 | --- |
| Armour's Big Crop Fertilizer 5-10-5 (6254) | 5.00 | 5.00 | 10.36 | 10.00 | 5.39 | 5.00 | --- |
| Armour's Big Crop Fertilizer 5-10-5 (6430) | 5.08 | 5.00 | 10.23 | 10.00 | 5.47 | 5.00 | --- |
| Armour's 81g Crop Fertilizer 5-10-10 (6255) | 5.01 | 5.00 | 10.50 | 10.00 | 10.00 | 10.00 | --- |
| Armour's 81g Crop Fertilizer 8-16-16 (6248) | *7.66 | 8.00 | 16.38 | 16.00 | *15.51 | 16.00 | --- |
| Armour's Speciel Tobecco Grower (6263) | 3.01 | 3.00 | 8.91 | 8.00 | 16.50 | 16.00 | --- |
| Armour's Speciel Top Dreseer (6265) | 10.03 | 10.00 | 6.66 | 6.00 | 4.26 | 4.00 | --- |
| BALTIMORE FERTILIZER CO., Baltimore, Md. | | | | | | | |
| Honest 2-9-5 (6663) | 2.07 | 2.00 | 9.88 | 9.00 | 5.48 | 5.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **BAUGH & SONS COMPANY Philadelphia, Pa.** | | | | | | | |
| Baugh's 2-12-4 (7205) | 2.27 | 2.00 | 12.60 | 12.00 | 4.21 | 4.00 | --- |
| Baugh'e 5-10-10 (6311) | 5.16 | 6.00 | 10.61 | 10.00 | 10.66 | 10.00 | --- |
| Baugh'e 10-6-4 (6630) | 10.77 | 10.00 | 6.40 | 6.00 | 4.23 | 4.00 | --- |
| Baugh's Approved Truck Grower (6312) | 4.07 | 4.00 | 8.57 | 8.00 | 8.24 | 8.00 | --- |
| Baugh's Approved Truck Grower (6386) | 4.20 | 4.00 | 8.93 | 8.00 | 8.40 | 8.00 | --- |
| Baugh'e Approved Truck Grower (6691) | 4.06 | 4.00 | 8.46 | 8.00 | 7.97 | 8.00 | --- |
| Baugh'e Approved Truck Grower (6755) | 4.29 | 4.00 | 8.74 | 8.00 | 8.07 | 8.00 | --- |
| Baugh'e Approved Truck Grower (6804) | 4.17 | 4.00 | 8.09 | 8.00 | 8.09 | 8.00 | --- |
| Baugh'e Approved Truck Grower (6860) | 4.22 | 4.00 | 8.65 | 8.00 | 8.04 | 8.00 | --- |
| Baugh's Approved Truck Grower (7087) | 4.18 | 4.00 | 8.63 | 8.00 | 8.14 | 8.00 | --- |
| Baugh's Balanced Plant Food (6640) | 4.01 | 4.00 | 13.04 | 12.00 | 4.10 | 4.00 | --- |
| Baugh's Balanced Plant Food (6690) | 4.11 | 4.00 | 12.19 | 12.00 | 4.08 | 4.00 | --- |
| Baugh'e Balanced Plant Food (6890) | 4.12 | 4.00 | 12.43 | 12.00 | 4.27 | 4.00 | --- |
| Baugh'e Balanced Plant Food (6991) | 4.29 | 4.00 | 12.36 | 12.00 | 4.83 | 4.00 | --- |
| Baugh'e Balanced Plant Food (7042) | 3.85 | 4.00 | 12.54 | 12.00 | 4.36 | 4.00 | --- |
| Baugh'e Balanced Plant Food (7095) | 4.10 | 4.00 | 13.19 | 12.00 | 4.42 | 4.00 | --- |
| Baugh'e Balanced Plant Food (7204) | 4.01 | 4.00 | 12.98 | 12.00 | 4.43 | 4.00 | --- |
| Baugh'e Commercial Crop Compound(6331) | 2.08 | 2.00 | 8.88 | 8.00 | 10.19 | 10.00 | --- |
| Baugh's Commercial Crop Compound(6387) | 2.47 | 2.00 | 10.59 | 8.00 | *8.79 | 10.00 | --- |
| Baugh's Commercial Crop Compound(6637) | 2.25 | 2.00 | 8.72 | 8.00 | 9.93 | 10.00 | --- |
| Baugh'e Commercial Crop Compound(6861) | 2.10 | 2.00 | 8.76 | 8.00 | 10.09 | 10.00 | --- |
| Baugh'e Commercial Crop Compound(6992) | 2.04 | 2.00 | 8.17 | 8.00 | 10.59 | 10.00 | --- |
| Baugh'e Commercial Crop Compound(7117) | 2.16 | 2.00 | 8.94 | 8.00 | 10.45 | 10.00 | --- |
| Baugh'e Commercial Crop Compound(7206) | 2.06 | 2.00 | 8.99 | 8.00 | 9.81 | 10.00 | --- |
| Baugh'e Commercial Crop Compound(7281) | 2.02 | 2.00 | 8.69 | 8.00 | 10.46 | 10.00 | --- |
| Baugh'e Complete Animal Base Fertilizer (6388) | 2.24 | 2.00 | 10.12 | 9.00 | 5.14 | 5.00 | --- |
| Baugh'e Complete Animal Base Fertilizer (6636) | 2.17 | 2.00 | 9.73 | 9.00 | 6.20 | 5.00 | --- |
| Baugh'e Complete Animal Base Fertilizer (6753) | 2.15 | 2.00 | 9.90 | 9.00 | 5.18 | 5.00 | --- |
| Baugh's Completa Animal Base Fertilizer (6809) | 2.23 | 2.00 | 9.60 | 9.00 | 5.25 | 5.00 | --- |
| Baugh'e Complete Animal Base Fertilizer (6905) | 2.10 | 2.00 | 9.36 | 9.00 | 5.00 | 5.00 | --- |
| Baugh'e Completa Animal Base Fertilizer (7043) | 2.12 | 2.00 | 9.04 | 9.00 | 5.00 | 5.00 | --- |
| Baugh's Corn & Oats Fertilizer (6641) | 2.29 | 2.00 | 12.32 | 12.00 | 4.40 | 4.00 | --- |
| Baugh'e Double Eagle Phoephate (6313) | 2.23 | 2.00 | 12.78 | 12.00 | 6.00 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (6632) | 2.27 | 2.00 | 12.32 | 12.00 | 6.05 | 6.00 | --- |
| Baugh'e Double Eagle Phosphate (6754) | 2.23 | 2.00 | 12.90 | 12.00 | 6.01 | 6.00 | --- |
| Baugh's Double Eagle Phoephate (6805) | 2.61 | 2.00 | *11.75 | 12.00 | 7.10 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (6863) | 2.22 | 2.00 | 12.61 | 12.00 | 5.87 | 6.00 | --- |
| Baugh'e Double Eagla Phoephate (6903) | 2.29 | 2.00 | 12.33 | 12.00 | *5.59 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (7039) | 2.15 | 2.00 | 12.43 | 12.00 | 6.00 | 6.00 | --- |
| Baugh's Double Eagle Phoephate (7072) | 2.21 | 2.00 | 13.00 | 12.00 | 5.86 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (7089) | 2.04 | 2.00 | 12.80 | 12.00 | 6.03 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (7118) | 2.21 | 2.00 | 12.87 | 12.00 | 6.28 | 6.00 | --- |
| Baugh'e Double Eagla Phosphate (7283) | 2.20 | 2.00 | 12.08 | 12.00 | 6.00 | 6.00 | --- |
| Baugh's Double Eagle Phosphate (7357) | 2.08 | 2.00 | 13.19 | 12.00 | 6.43 | 6.00 | --- |
| Baugh's Double Power Fertilizer (6891) | 4.01 | 4.00 | 16.52 | 16.00 | 5.72 | 4.00 | --- |
| Baugh'e Double Power Fertilizer (7038) | 4.20 | 4.00 | 17.44 | 16.00 | 4.85 | 4.00 | --- |
| Baugh's High Grade Fish Brand (6393) | 3.25 | 3.00 | 12.64 | 12.00 | 6.59 | 6.00 | --- |
| Baugh's High Grade Fish Brand (6631) | 3.10 | 3.00 | 12.31 | 12.00 | 6.29 | 6.00 | --- |
| Baugh'e High Grade Fish Brand (7202) | 3.22 | 3.00 | 13.15 | 12.00 | 6.60 | 6.00 | --- |
| Baugh's Old Dependable Potato Grower (6332) | 4.01 | 4.00 | 8.72 | 8.00 | 10.25 | 10.00 | --- |
| Baugh's Perfaction Brand (6635) | 3.17 | 3.00 | 12.77 | 12.00 | 6.13 | 6.00 | --- |
| Baugh's Perfection Brand (6806) | 3.29 | 3.00 | 12.52 | 12.00 | 6.50 | 6.00 | --- |
| Baugh's Parfection Brand (7116) | 3.11 | 3.00 | 12.61 | 12.00 | 6.44 | 6.00 | --- |
| Baugh's Premium Plant Food & Soil Builder 2-12-6 (6956) | 2.22 | 2.00 | 12.27 | 12.00 | 6.32 | 6.00 | --- |
| Baugh's Premium Plant Food & Soil Builder 3-12-6 (6639) | 3.20 | 3.00 | 12.64 | 12.00 | 6.74 | 6.00 | --- |
| Baugh'e Premium Plant Food & Soil Builder 3-12-6 (6902) | 3.24 | 3.00 | 12.39 | 12.00 | 6.36 | 6.00 | --- |
| Baugh'e Premium Plant Food & Soil Builder 3-12-6 (7040) | 3.22 | 3.00 | 12.48 | 12.00 | 6.44 | 6.00 | --- |
| Baugh'e Truckers Favorite (6688) | 5.29 | 5.00 | 10.90 | 10.00 | 4.84 | 5.00 | --- |
| Baugh's Truckare Favorite (7097) | 5.00 | 5.00 | 11.14 | 10.00 | 5.19 | 5.00 | --- |
| Baugh'e Wheat Fertilizer (6644) | 3.10 | 3.00 | 12.46 | 12.00 | 6.28 | 6.00 | --- |
| Baugh'e Wheat Fertilizer (7096) | 3.26 | 3.00 | 12.96 | 12.00 | 6.36 | 6.00 | --- |
| Baugh's Wheat Fertilizer (7282) | 3.15 | 3.00 | 12.98 | 12.00 | 6.17 | 6.00 | --- |
| **HERBERT BRYANT INC. Alexandria, Virginia** | | | | | | | |
| H. B. I. 2-12-6 (7067) | 2.25 | 2.00 | 12.37 | 12.00 | 6.01 | 6.00 | --- |
| **CENTRAL CHEMICAL CORP. OF MARYLAND Hageretown, Md.** | | | | | | | |
| Farmrita Fertilizer 2-12-6 (6362) | *1.36 | 2.00 | 13.19 | 12.00 | 6.05 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (6418) | 1.87 | 2.00 | 12.67 | 12.00 | 6.15 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (6478) | 2.10 | 2.00 | 12.89 | 12.00 | 6.04 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (6575) | 2.24 | 2.00 | 12.51 | 12.00 | 6.36 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (6748) | 2.02 | 2.00 | 12.16 | 12.00 | 6.18 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (6932) | 2.12 | 2.00 | 12.66 | 12.00 | 6.26 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (7028) | 2.19 | 2.00 | 12.58 | 12.00 | 6.32 | 6.00 | --- |
| Farmrite Fertilizer 2-12-6 (7046) | 2.16 | 2.00 | 12.56 | 12.00 | 6.03 | 6.00 | --- |
| Farmrite Fertilizer 2-12-12 (7029) | 2.01 | 2.00 | 13.16 | 12.00 | *11.77 | 12.00 | --- |
| Farmrite Fertilizer 8-16-16 (6722) | 8.02 | 8.00 | 16.42 | 16.00 | *15.72 | 16.00 | --- |
| Farmrite Fertilizer 10-6-4 (6370) | 10.01 | 10.00 | 7.45 | 6.00 | 4.55 | 4.00 | --- |
| Farmrite Excelsior (6361) | 2.28 | 2.00 | 9.28 | 9.00 | 5.20 | 5.00 | --- |
| Farmrite Excelaior (6420) | 2.06 | 2.00 | 9.50 | 9.00 | 5.06 | 5.00 | --- |
| Farmrite Excelsior (6469) | 2.08 | 2.00 | 9.74 | 9.00 | 5.05 | 5.00 | --- |
| Farmrite Excelsior (6676) | 2.27 | 2.00 | 9.76 | 9.00 | 5.39 | 5.00 | --- |
| Farmrite Excelsior (6772) | 2.29 | 2.00 | 9.11 | 9.00 | 5.24 | 5.00 | --- |
| Farmrite Excelsior (6949) | 2.00 | 2.00 | 9.55 | 9.00 | 5.00 | 5.00 | --- |
| Farmrite Excelsior (6980) | 1.94 | 2.00 | 11.33 | 9.00 | *4.27 | 5.00 | --- |
| Farmrite Excelsior (7027) | 2.07 | 2.00 | 9.75 | 9.00 | *4.67 | 5.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|
| | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Farmrita Famous Fruit Food | (6369) | *9.70 | 10.00 | 7.80 | 6.00 | 4.06 | 4.00 | --- |
| Farmrite Famous Fruit Food | (7237) | *8.82 | 10.00 | 6.95 | 6.00 | 4.30 | 4.00 | --- |
| Farmrita Famous Old Fish Brand | (6421) | 2.07 | 2.00 | 12.88 | 12.00 | 6.42 | 6.00 | --- |
| Farmrite Famous Old Fish Brand | (6468) | 2.32 | 2.00 | 12.41 | 12.00 | 6.07 | 6.00 | --- |
| Farmrite Famous Old Fish Brand | (6961) | 2.01 | 2.00 | 12.39 | 12.00 | 6.28 | 6.00 | --- |
| Farmrita Famous Old Fish Brand | (7030) | 2.19 | 2.00 | 12.00 | 12.00 | 6.31 | 6.00 | --- |
| Farmrita Famous Potato Food | (6368) | 4.21 | 4.00 | 8.76 | 8.00 | *6.56 | 7.00 | --- |
| Farmrite Farmera Fevorita | (6299) | *3.60 | 4.00 | 12.53 | 12.00 | 3.94 | 4.00 | --- |
| Farmrita Farmers Favorita | (6471) | 4.19 | 4.00 | 12.66 | 12.00 | 3.95 | 4.00 | --- |
| Farmrita Farmers Fevorite | (6725) | 5.06 | 4.00 | 12.37 | 12.00 | 3.95 | 4.00 | --- |
| Farmrita Fermers Favorita | (6771) | 4.03 | 4.00 | 12.34 | 12.00 | 4.60 | 4.00 | --- |
| Fermrite Fermera Favorita | (7025) | 4.04 | 4.00 | 12.14 | 12.00 | 3.89 | 4.00 | --- |
| Farmrita Goldan Grain | (6298) | 3.09 | 3.00 | 12.51 | 12.00 | 5.82 | 6.00 | --- |
| Fermrita Goldan Grain | (6360) | 3.11 | 3.00 | 12.29 | 12.00 | 5.92 | 6.00 | --- |
| Fermrita Goldan Grain | (6412) | 3.14 | 3.00 | 12.91 | 12.00 | *5.78 | 6.00 | --- |
| Farmrite Goldan Grain | (6473) | 3.06 | 3.00 | 12.83 | 12.00 | 5.95 | 6.00 | --- |
| Fermrita Goldan Grain | (6952) | 3.06 | 3.00 | 12.69 | 12.00 | 6.00 | 6.00 | --- |
| Fermrite Goldan Grain | (7031) | 3.12 | 3.00 | 12.38 | 12.00 | 6.75 | 6.00 | --- |
| Fermrita Grein Food | (6364) | 2.08 | 2.00 | 12.20 | 12.00 | 3.98 | 4.00 | --- |
| Farmrita Grain Food | (6419) | 2.11 | 2.00 | 12.07 | 12.00 | 4.08 | 4.00 | --- |
| Farmrite Grain Food | (6476) | 2.02 | 2.00 | 12.68 | 12.00 | 4.21 | 4.00 | --- |
| Farmrite Grain Food | (6758) | 2.10 | 2.00 | 12.06 | 12.00 | 4.19 | 4.00 | --- |
| Farmrita Grein Food | (6933) | 2.01 | 2.00 | 12.51 | 12.00 | 4.26 | 4.00 | --- |
| Farmrita Grein Food | (7026) | 2.16 | 2.00 | 12.07 | 12.00 | 4.42 | 4.00 | --- |
| Farmrita Imperial | (6359) | 2.01 | 2.00 | 8.52 | 8.00 | 9.98 | 10.00 | --- |
| Fermrita Imperial | (6417) | 2.09 | 2.00 | 8.66 | 8.00 | *9.29 | 10.00 | --- |
| Fermrite Imperial | (6470) | 2.08 | 2.00 | 8.68 | 8.00 | 10.18 | 10.00 | --- |
| Farmrita Imperial | (6728) | 2.01 | 2.00 | 8.26 | 8.00 | 10.23 | 10.00 | --- |
| Fermrita Potato Eclipsa | (6358) | 4.29 | 4.00 | 8.71 | 8.00 | *9.66 | 10.00 | --- |
| Fermrita Poteto Eclipsa | (6472) | 4.12 | 4.00 | 8.07 | 8.00 | 10.41 | 10.00 | --- |
| Farmrite Potato Growar | (6371) | 4.05 | 4.00 | 9.17 | 8.00 | 8.04 | 8.00 | --- |
| Farmrita Potato Growar | (6411) | 4.25 | 4.00 | 9.29 | 8.00 | 7.86 | 8.00 | --- |
| Fermrita Poteto Growar | (6475) | 4.06 | 4.00 | 8.95 | 8.00 | 8.18 | 8.00 | --- |
| Farmrita Potato Growar | (6730) | 4.23 | 4.00 | 8.22 | 8.00 | 8.50 | 8.00 | --- |
| Fermrita Potato Grower | (6747) | 4.22 | 4.00 | 8.73 | 8.00 | 8.26 | 8.00 | --- |
| Fermrite Poteto Grower | (7235) | 4.02 | 4.00 | 8.71 | 8.00 | 7.97 | 8.00 | --- |
| Fermrite Potato Special | (6363) | 4.24 | 4.00 | 9.07 | 8.00 | *6.68 | 7.00 | --- |
| Farmrita Poteto Spaciel | (6413) | 4.04 | 4.00 | 8.29 | 8.00 | 7.86 | 7.00 | --- |
| Farmrite Potato Spacial | (6480) | *3.80 | 4.00 | 8.34 | 8.00 | 7.29 | 7.00 | --- |
| Farmrite Super Spacial | (6365) | 4.19 | 4.00 | 16.60 | 16.00 | 4.30 | 4.00 | --- |
| Farmrite Supar Speciel | (6729) | *3.67 | 4.00 | 16.84 | 16.00 | 4.46 | 4.00 | --- |
| Farmrita Truck Speciel | (6367) | 4.89 | 5.00 | 10.14 | 10.00 | 4.83 | 5.00 | --- |
| Fermrita Truck Spaciel | (6414) | 4.81 | 5.00 | 10.88 | 10.00 | 5.28 | 5.00 | --- |
| Fermrite Truck Speciel | (7234) | 5.00 | 5.00 | 10.26 | 10.00 | 5.72 | 5.00 | --- |
| COOPERATIVE FERTILIZER SERVICE Baltimora, Md. | | | | | | | | |
| C. F. S. 2-12-6 | (6560) | 2.01 | 2.00 | 12.48 | 12.00 | 6.87 | 6.00 | --- |
| C. F. S. 2-12-6 | (7220) | 2.23 | 2.00 | 13.02 | 12.00 | 6.24 | 6.00 | --- |
| C. F. S. 2-12-6 | (7245) | 2.28 | 2.00 | 12.72 | 12.00 | 6.39 | 6.00 | --- |
| C. F. S. 3-12-6 | (6740) | 3.20 | 3.00 | 12.34 | 12.00 | 6.23 | 6.00 | --- |
| C. F. S. 3-12-6 | (7246) | 3.01 | 3.00 | 13.02 | 12.00 | 6.45 | 6.00 | --- |
| C. F. S. 4-8-8 | (6564) | 4.01 | 4.00 | 8.51 | 8.00 | 8.61 | 8.00 | --- |
| C. F. S. 4-16-4 | (6559) | 4.19 | 4.00 | 16.40 | 16.00 | 4.52 | 4.00 | --- |
| C. F. S. 4-16-4 | (7165) | 4.02 | 4.00 | 17.36 | 16.00 | 4.44 | 4.00 | --- |
| C. F. S. 4-16-4 | (7243) | 4.23 | 4.00 | 17.36 | 16.00 | 4.39 | 4.00 | --- |
| C. F. S. 4-24-12 | (6562) | 4.29 | 4.00 | 23.88 | 24.00 | 14.87 | 12.00 | --- |
| C. F. S. 4-24-12 | (7163) | 4.01 | 4.00 | *22.38 | 24.00 | 12.28 | 12.00 | --- |
| C. F. S. 4-24-12 | (7244) | 4.02 | 4.00 | 24.36 | 24.00 | 12.87 | 12.00 | --- |
| C. F. S. 5-10-5 | (6565) | 5.02 | 5.00 | 10.67 | 10.00 | 5.55 | 5.00 | --- |
| C. F. S. 8-16-16 | (6561) | 8.02 | 8.00 | 16.42 | 16.00 | 16.04 | 16.00 | --- |
| COOPERATIVE G.L.F. SOIL BUILDING SERVICE INC. New York, N. Y. | | | | | | | | |
| G. L. F. 2-8-10 Non Acid | (6679) | 1.83 | 2.00 | 8.14 | 8.00 | 10.02 | 10.00 | --- |
| G. L. F. 2-8-10 Non Acid | (7142) | 2.05 | 2.00 | 8.92 | 8.00 | *9.10 | 10.00 | --- |
| G. L. F. 2-12-6 Non Acid | (7144) | 2.60 | 2.00 | 13.42 | 12.00 | 6.76 | 6.00 | --- |
| G. L. F. 3-12-6 Non Acid | (7143) | 3.07 | 3.00 | 12.22 | 12.00 | 6.66 | 6.00 | --- |
| G. L. F. 3-12-6 Non Acid | (7361) | 3.24 | 3.00 | 12.68 | 12.00 | 6.23 | 6.00 | --- |
| G. L. F. 4-12-4 Non Acid | (6680) | 4.17 | 4.00 | 12.06 | 12.00 | 4.59 | 4.00 | --- |
| G. L. F. 4-12-4 Non Acid | (7362) | 4.29 | 4.00 | 13.11 | 12.00 | 4.50 | 4.00 | --- |
| G. L. F. 4-16-4 | (7141) | 4.49 | 4.00 | 17.20 | 16.00 | 4.56 | 4.00 | --- |
| G. L. F. 5-10-5 Non Acid | (6685) | 5.09 | 5.00 | 10.25 | 10.00 | 5.29 | 5.00 | --- |
| G. L. F. 5-10-10 Non Acid | (6686) | 5.12 | 5.00 | 9.81 | 10.00 | 10.26 | 10.00 | --- |
| G. L. F. 5-10-10 Non Acid | (7346) | 4.96 | 5.00 | 10.67 | 10.00 | 9.91 | 10.00 | --- |
| G. L. F. 8-16-16 | (6684) | 8.02 | 8.00 | 16.50 | 16.00 | 16.62 | 16.00 | --- |
| COOPERATIVE SOUTHERN STATES FERTILIZER SERVICE, INC. Baltimora, Md. | | | | | | | | |
| Fruit Trae Spaciel 10-6-4 | (6741) | *9.75 | 10.00 | 6.82 | 6.00 | 4.04 | 4.00 | --- |
| CUMBERLAND VALLEY COOPERATIVE ASSOCIATION Shippansburg, Pa. | | | | | | | | |
| Old Raliable 2-9-5 | (7001) | *1.64 | 2.00 | 12.87 | 9.00 | 5.93 | 5.00 | --- |
| Old Reliabla 3-12-6 | (7002) | 3.01 | 3.00 | 11.93 | 12.00 | 5.85 | 6.00 | --- |
| THE DAVISON CHEMICAL CORPORATION Baltimora, Md. | | | | | | | | |
| Davco Granulated Fartilizer 2-8-10 | (6869) | 2.01 | 2.00 | 8.54 | 8.00 | 9.94 | 10.00 | --- |
| Devco Granulated Fartilizer 2-8-10 | (7166) | 2.01 | 2.00 | 8.98 | 8.00 | 10.00 | 10.00 | --- |
| Devco Grenuleted Fertilizer 2-12-4 | (6867) | 2.02 | 2.00 | 12.59 | 12.00 | 4.13 | 4.00 | --- |
| Devco Grenuletad Fertilizer 2-12-4 | (7167) | 2.01 | 2.00 | 12.22 | 12.00 | 4.09 | 4.00 | --- |

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TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|
| | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Davco Granulated Fertilizer 2-12-6 | (6179) | 2.05 | 2.00 | 12.23 | 12.00 | 6.53 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (6286) | 2.06 | 2.00 | 12.66 | 12.00 | 6.99 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (6290) | 2.00 | 2.00 | 12.94 | 12.00 | 7.22 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (6408) | 2.00 | 2.00 | 12.23 | 12.00 | 6.02 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (6764) | 2.12 | 2.00 | 12.07 | 12.00 | 6.64 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (6872) | 2.03 | 2.00 | 12.47 | 12.00 | 6.13 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (7037) | 2.22 | 2.00 | 13.41 | 12.00 | 6.44 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (7251) | 2.19 | 2.00 | 13.18 | 12.00 | 6.19 | 6.00 | --- |
| Davco Granulated Fertilizer 2-12-6 | (7287) | 2.01 | 2.00 | 13.16 | 12.00 | 6.33 | 6.00 | --- |
| Davco Granulated Fertilizer 3-12-6 | (6289) | 3.19 | 3.00 | 12.94 | 12.00 | 5.85 | 6.00 | --- |
| Davco Granulated Fertilizer 3-12-6 | (6407) | 3.01 | 3.00 | 12.65 | 12.00 | 6.00 | 6.00 | --- |
| Davco Granulated Fertilizer 3-12-6 | (6871) | 3.13 | 3.00 | 12.29 | 12.00 | 5.97 | 6.00 | --- |
| Davco Granulated Fertilizer 3-12-6 | (7288) | 3.06 | 3.00 | 13.11 | 12.00 | 6.02 | 6.00 | --- |
| Davco Granulated Fertilizer 4-8-8 | (6288) | 4.27 | 4.00 | 8.73 | 8.00 | 8.10 | 8.00 | --- |
| Davco Granulated Fertilizer 4-8-8 | (6404) | 4.13 | 4.00 | 8.72 | 8.00 | 7.93 | 8.00 | --- |
| Davco Granulated Fertilizer 4-8-8 | (6765) | *3.71 | 4.00 | 8.77 | 8.00 | 8.55 | 8.00 | --- |
| Davco Granulated Fertilizer 4-8-8 | (6868) | 3.93 | 4.00 | 8.40 | 8.00 | 8.26 | 8.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (6291) | 4.29 | 4.00 | 12.92 | 12.00 | 4.36 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (6406) | 4.00 | 4.00 | 12.81 | 12.00 | 4.25 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (6744) | 4.17 | 4.00 | 12.74 | 12.00 | 3.98 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (6870) | 4.13 | 4.00 | 12.41 | 12.00 | 4.05 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (7034) | 4.24 | 4.00 | 12.26 | 12.00 | 4.11 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (7252) | 4.11 | 4.00 | 12.50 | 12.00 | 3.86 | 4.00 | --- |
| Davco Granulated Fertilizer 4-12-4 | (7290) | 4.28 | 4.00 | 12.93 | 12.00 | 4.05 | 4.00 | --- |
| Davco Granulated Fertilizer 4-16-4 | (6285) | 4.13 | 4.00 | 16.76 | 16.00 | 4.15 | 4.00 | --- |
| Davco Granulated Fertilizer 4-16-4 | (6746) | 4.07 | 4.00 | 16.64 | 16.00 | 4.21 | 4.00 | --- |
| Davco Granulated Fertilizer 4-16-4 | (6866) | 4.11 | 4.00 | 16.86 | 16.00 | 4.13 | 4.00 | --- |
| Davco Granulated Fertilizer 4-16-4 | (7289) | 4.07 | 4.00 | 17.06 | 16.00 | 4.01 | 4.00 | --- |
| Davco Granulated Fertilizer 5-10-5 | (6284) | 5.24 | 5.00 | 11.15 | 10.00 | 5.21 | 5.00 | --- |
| Davco Granulated Fertilizer 5-10-5 | (7036) | 5.20 | 5.00 | 10.47 | 10.00 | 5.20 | 5.00 | --- |
| Davco Granulated Pomo Food 10-6-4 | (6287) | 10.28 | 10.00 | 7.14 | 6.00 | 4.27 | 4.00 | --- |
| Davco Granulated Tomato Food 4-12-6 | (6590) | 4.29 | 4.00 | 12.44 | 12.00 | 6.17 | 6.00 | --- |
| Old Reliable 2-8-10 | (7173) | 2.01 | 2.00 | 9.41 | 8.00 | *9.68 | 10.00 | --- |
| Old Reliable 2-9-5 | (7169) | 2.04 | 2.00 | 9.47 | 9.00 | 4.91 | 5.00 | --- |
| Old Reliable 2-12-6 | (7171) | 2.30 | 2.00 | 12.73 | 12.00 | 6.60 | 6.00 | --- |
| Old Reliable 3-12-6 | (7175) | *2.79 | 3.00 | 12.61 | 12.00 | 6.71 | 6.00 | --- |
| Old Reliable 4-8-8 | (7168) | 4.00 | 4.00 | 9.48 | 8.00 | 7.95 | 8.00 | --- |
| Old Reliable 4-12-4 | (7172) | 4.07 | 4.00 | 12.82 | 12.00 | 4.96 | 4.00 | --- |
| Old Reliable 4-16-4 | (7174) | 4.22 | 4.00 | 17.40 | 16.00 | 5.08 | 4.00 | --- |
| Old Reliable 5-10-5 | (7170) | *4.68 | 5.00 | 10.36 | 10.00 | 5.75 | 5.00 | --- |
| EASTERN STATES FARMERS' EXCHANGE Springfield, Mass. | | | | | | | | |
| Eastern States 4-16-8 | (7060) | 4.29 | 4.00 | 16.42 | 16.00 | 9.61 | 8.00 | --- |
| Eastern States 4-16-8 | (7178) | 4.51 | 4.00 | 16.90 | 16.00 | 9.35 | 8.00 | --- |
| Eastern Statea 4-16-8 | (7266) | 4.28 | 4.00 | 17.20 | 16.00 | 9.10 | 8.00 | --- |
| Eastern States 4-16-20 | (6842) | 3.88 | 4.00 | 16.64 | 16.00 | 21.60 | 20.00 | --- |
| Eastern States 4-16-20 | (7189) | 4.19 | 4.00 | 17.20 | 16.00 | 21.80 | 20.00 | --- |
| Eastern States 4-16-20 | (7267) | 4.23 | 4.00 | 16.90 | 16.00 | 21.28 | 20.00 | --- |
| Eastern Statee 4-24-12 | (6669) | 4.30 | 4.00 | 24.90 | 24.00 | 12.23 | 12.00 | --- |
| Eastern States 4-24-12 | (6843) | 4.25 | 4.00 | 24.90 | 24.00 | 12.05 | 12.00 | --- |
| Eastern States 4-24-12 | (7180) | 4.27 | 4.00 | 26.48 | 24.00 | 12.71 | 12.00 | --- |
| Eastern States 4-24-12 | (7191) | 4.29 | 4.00 | 25.38 | 24.00 | 13.40 | 12.00 | --- |
| Eastern States 4-24-12 | (7259) | 4.24 | 4.00 | 26.04 | 24.00 | 13.34 | 12.00 | --- |
| Eastern States 4-24-12 | (7265) | 4.56 | 4.00 | 24.40 | 24.00 | 12.90 | 12.00 | --- |
| Eastern States 5-10-10 | (6668) | 5.11 | 5.00 | 11.58 | 10.00 | 10.12 | 10.00 | --- |
| Eastern States 5-15-5 | (7182) | 5.15 | 5.00 | 18.10 | 15.00 | 5.95 | 5.00 | --- |
| Eastern States 8-16-16 | (6667) | 8.28 | 8.00 | 17.30 | 16.00 | 16.43 | 16.00 | --- |
| Eastern States 8-16-16 | (6844) | 8.25 | 8.00 | 16.96 | 16.00 | 16.76 | 16.00 | --- |
| Eastern States 8-24-8 | (7177) | 7.91 | 8.00 | 25.82 | 24.00 | 8.77 | 8.00 | --- |
| Eastern States 10-10-10 | (6845) | *9.72 | 10.00 | 11.34 | 10.00 | 10.18 | 10.00 | --- |
| Eastern States 10-10-10 | (7264) | 9.90 | 10.00 | 11.53 | 10.00 | 10.72 | 10.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|
| | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **AMOS EBY & COMPANY, Paradise, Pa.** | | | | | | | | |
| Eby Challenge | (6534) | 4.63 | 4.00 | *7.66 | 8.00 | 8.76 | 8.00 | --- |
| Eby Grass Special | (6533) | 7.14 | 7.00 | 6.99 | 6.00 | 5.93 | 5.00 | --- |
| Eby Leaf | (6531) | 4.30 | 4.00 | *7.61 | 8.00 | 12.37 | 12.00 | --- |
| Eby Pequea Ammoniated | (6538) | 1.28 | 1.00 | 10.81 | 10.00 | 6.22 | 5.00 | --- |
| Eby Pequea Economy | (6537) | 2.22 | 2.00 | 12.67 | 12.00 | 6.83 | 6.00 | --- |
| Eby Pequea High Grade | (6530) | 5.04 | 5.00 | 7.04 | 6.00 | 6.33 | 5.00 | --- |
| Eby Pequea High Grade | (6532) | 5.79 | 5.00 | 6.52 | 6.00 | 5.72 | 5.00 | --- |
| Eby Pequea Special Potato | (6535) | 3.13 | 3.00 | 9.07 | 8.00 | 7.69 | 7.00 | --- |
| Eby Valley Fertilizer | (6536) | 2.23 | 2.00 | 8.77 | 8.00 | 10.71 | 10.00 | --- |
| **THE ERIE REDUCTION COMPANY, Erie, Pa.** | | | | | | | | |
| Erie Corn & Wheat Special | (6609) | 2.24 | 2.00 | 12.56 | 12.00 | 6.31 | 6.00 | --- |
| **FARMERS' FERTILIZER WORKS, Elizabethtown, Pa.** | | | | | | | | |
| Farmers 1-10-5 | (6513) | 1.25 | 1.00 | 10.92 | 10.00 | 5.00 | 5.00 | --- |
| Farmers 1-10-5 | (7339) | 1.12 | 1.00 | 10.56 | 10.00 | 5.12 | 5.00 | --- |
| Farmers 2-9-5 | (6514) | 2.18 | 2.00 | 12.58 | 9.00 | 5.16 | 5.00 | --- |
| Farmers 2-9-5 | (7335) | 2.27 | 2.00 | 9.46 | 9.00 | 5.44 | 5.00 | --- |
| Farmers 2-12-6 | (6507) | 2.29 | 2.00 | 12.87 | 12.00 | 6.01 | 6.00 | --- |
| Farmers 2-12-6 | (7333) | 2.22 | 2.00 | 12.79 | 12.00 | 6.40 | 6.00 | --- |
| Farmers 3-12-6 | (6509) | 3.20 | 3.00 | 13.07 | 12.00 | 6.13 | 6.00 | --- |
| Farmers 3-12-6 | (7332) | 3.03 | 3.00 | 12.44 | 12.00 | 6.47 | 6.00 | --- |
| Farmers 4-12-4 | (6519) | 4.04 | 4.00 | 12.82 | 12.00 | 4.21 | 4.00 | --- |
| Farmers 4-16-4 | (6517) | 4.23 | 4.00 | 16.14 | 16.00 | 3.95 | 4.00 | --- |
| Farmers 4-16-4 | (7330) | *3.80 | 4.00 | 16.14 | 16.00 | 4.05 | 4.00 | --- |
| Farmers Best Yet | (6508) | 2.18 | 2.00 | 8.80 | 8.00 | 9.83 | 10.00 | --- |
| Farmers Best Yet | (7336) | 2.29 | 2.00 | 8.47 | 8.00 | 10.74 | 10.00 | --- |
| Farmers Club | (6516) | 3.29 | 3.00 | 9.42 | 8.00 | 5.82 | 5.00 | --- |
| Farmers Club | (7331) | 3.06 | 3.00 | 9.31 | 8.00 | 6.14 | 5.00 | --- |
| Farmers General Tobacco | (6510) | 3.57 | 3.00 | 5.78 | 5.00 | 11.85 | 12.00 | --- |
| Farmers Gilt Edge Potato & Truck | (6506) | 4.25 | 4.00 | 9.25 | 8.00 | 7.02 | 7.00 | --- |
| Farmers IXL | (6505) | 2.19 | 2.00 | 13.12 | 12.00 | 4.28 | 4.00 | --- |
| Farmers IXL | (7334) | 1.88 | 2.00 | 12.77 | 12.00 | 4.08 | 4.00 | --- |
| Farmers Tobacco Special | (6511) | 5.28 | 5.00 | 5.78 | 5.00 | 6.90 | 6.00 | --- |
| **GIPE FERTILIZER WORKS, Lebanon, Pa.** | | | | | | | | |
| Gipe's 2-9-5 | (6724) | 2.30 | 2.00 | 9.64 | 9.00 | 5.24 | 5.00 | --- |
| Gipe's 2-12-4 | (6719) | 2.30 | 2.00 | 11.89 | 12.00 | 4.40 | 4.00 | --- |
| Gipe's 2-12-6 | (6723) | 2.24 | 2.00 | 12.48 | 12.00 | 6.28 | 6.00 | --- |
| Gipe's 3-12-6 | (6720) | 3.12 | 3.00 | 12.55 | 12.00 | 6.41 | 6.00 | --- |
| Gipe's 4-8-7 | (6721) | 4.05 | 4.00 | 8.44 | 8.00 | 7.06 | 7.00 | --- |
| **GRIFFITH & BOYD COMPANY, Baltimore, Md.** | | | | | | | | |
| Extra Strength Guano | (6749) | 4.16 | 4.00 | 16.48 | 16.00 | 4.23 | 4.00 | --- |
| Extra Strength Guano | (6888) | 4.21 | 4.00 | 16.38 | 16.00 | 4.23 | 4.00 | --- |
| Extra Strength Guano | (7260) | 4.07 | 4.00 | 17.08 | 16.00 | 4.34 | 4.00 | --- |
| Gilt Edge Crop Guano | (7128) | 2.06 | 2.00 | 8.68 | 8.00 | 10.19 | 10.00 | --- |
| Gilt Edge Crop Guano | (7261) | 2.12 | 2.00 | 8.90 | 8.00 | 10.28 | 10.00 | --- |
| High Grade Truck Guano | (6425) | 4.03 | 4.00 | 8.87 | 8.00 | 6.86 | 7.00 | --- |
| Nitro Crop Feeder | (6422) | 8.85 | 9.00 | 5.59 | 5.00 | 2.89 | 2.00 | --- |
| Peerless Fertilizer | (6424) | 1.22 | 1.00 | 10.20 | 10.00 | 5.20 | 5.00 | --- |
| Peerless Fertilizer | (7136) | 1.05 | 1.00 | 10.11 | 10.00 | 5.26 | 5.00 | --- |
| Planters Pride | (6836) | 3.00 | 3.00 | 12.40 | 12.00 | 6.51 | 6.00 | --- |
| Planters Pride | (7126) | 2.93 | 3.00 | 12.90 | 12.00 | 6.43 | 6.00 | --- |
| Planters Pride | (7258) | 3.01 | 3.00 | 12.62 | 12.00 | 6.20 | 6.00 | --- |
| Reliable Crop Grower | (6427) | 2.11 | 2.00 | 12.16 | 12.00 | 4.58 | 4.00 | --- |
| Reliable Crop Grower | (6887) | 2.27 | 2.00 | 12.22 | 12.00 | 4.71 | 4.00 | --- |
| Reliable Crop Grower | (6954) | 2.12 | 2.00 | 12.90 | 12.00 | 4.31 | 4.00 | --- |
| Reliable Crop Grower | (7134) | 2.05 | 2.00 | 12.15 | 12.00 | 4.49 | 4.00 | --- |
| Reliable Crop Grower | (7257) | 2.29 | 2.00 | 12.98 | 12.00 | 4.25 | 4.00 | --- |
| Royal Fish Guano | (7127) | 2.10 | 2.00 | 13.02 | 12.00 | 6.00 | 6.00 | --- |
| Royal Guano | (6752) | 3.82 | 4.00 | 9.17 | 8.00 | *7.54 | 8.00 | --- |
| Royal Guano | (6889) | 3.87 | 4.00 | 8.63 | 8.00 | 8.09 | 8.00 | --- |
| Special Guano | (6423) | 2.01 | 2.00 | 9.06 | 9.00 | 4.91 | 5.00 | --- |
| Special Guano | (6838) | 1.95 | 2.00 | 9.40 | 9.00 | 4.90 | 5.00 | --- |
| Special Guano | (7135) | 2.01 | 2.00 | 9.25 | 9.00 | 5.36 | 5.00 | --- |
| Special Guano | (7227) | 2.29 | 2.00 | 9.69 | 9.00 | 5.21 | 5.00 | --- |
| Wheat & Grain Special | (6426) | 2.08 | 2.00 | 12.44 | 12.00 | 6.28 | 6.00 | --- |
| Wheat & Grain Special | (6750) | 2.01 | 2.00 | 12.38 | 12.00 | 6.44 | 6.00 | --- |
| Wheat & Grain Special | (7125) | 2.12 | 2.00 | 12.45 | 12.00 | 6.91 | 6.00 | --- |
| Wheat & Grain Special | (7229) | 2.13 | 2.00 | 13.14 | 12.00 | 6.10 | 6.00 | --- |
| **JACOB W. HOFFMAN ESTATE, Raubeville, Pa.** | | | | | | | | |
| Hoffman's Potato & Truck Fertilizer | (6900) | *2.66 | 3.00 | 12.10 | 8.00 | 6.15 | 6.00 | --- |
| Hoffman's Special Fertilizer | (6901) | 1.44 | 1.00 | 14.55 | 10.00 | 5.57 | 5.00 | --- |
| **INDEPENDENT MANUFACTURING CO., Philadelphia, Pa.** | | | | | | | | |
| Consumer 2-9-5 | (6348) | 2.19 | 2.00 | 9.56 | 9.00 | 4.91 | 5.00 | --- |
| Consumer 2-12-6 | (6349) | 3.16 | 2.00 | 12.72 | 12.00 | 6.91 | 6.00 | --- |
| Consumer 3-12-6 | (7106) | 3.89 | 3.00 | 12.60 | 12.00 | 6.94 | 6.00 | --- |
| Consumer 4-8-8 | (6350) | 4.29 | 4.00 | 10.14 | 8.00 | 8.22 | 8.00 | --- |
| Consumer 4-16-4 | (7079) | 4.29 | 4.00 | 16.78 | 16.00 | 4.52 | 4.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | NITROGEN | | AVAILABLE PHOSPHORIG ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Consumer 5-8-7 (6347) | 4.90 | 5.00 | 10.15 | 8.00 | 7.37 | 7.00 | --- |
| Consumer 5-8-7 (7106) | 5.29 | 5.00 | 9.28 | 8.00 | 7.68 | 7.00 | --- |
| Consumer 5-10-10 (7104) | 5.27 | 5.00 | 11.70 | 10.00 | 10.13 | 10.00 | --- |
| Standard Special Wheat Fertilizer 2-12-5 (6329) | 2.25 | 2.00 | 13.16 | 12.00 | 5.15 | 5.00 | --- |
| Standard Special Wheat Fertilizer 2-12-5 (7078) | 2.42 | 2.00 | 12.49 | 12.00 | 5.24 | 5.00 | --- |
| Standard Matchless Market Gardener 4-8-7 (6330) | 4.29 | 4.00 | 9.03 | 8.00 | 9.27 | 7.00 | --- |
| Standard Matchless Market Gardener 4-8-7 (7080) | 4.18 | 4.00 | 8.25 | 8.00 | 7.31 | 7.00 | --- |
| Standard 5-8-7 (6327) | 5.51 | 5.00 | 9.59 | 8.00 | *6.44 | 7.00 | --- |
| Standard 5-8-7 (7103) | 5.75 | 5.00 | 9.87 | 8.00 | *6.55 | 7.00 | --- |
| Standard 5-10-10 (6328) | 5.01 | 5.00 | 10.91 | 10.00 | 9.89 | 10.00 | --- |
| Standard 5-10-10 (7077) | 5.59 | 5.00 | 10.98 | 10.00 | 9.92 | 10.00 | --- |
| Standard 6-8-5 (7076) | 7.16 | 6.00 | 8.89 | 8.00 | 5.97 | 5.00 | --- |
| **KOLLER FERTILIZER COMPANY Coatesville, Pa.** | | | | | | | |
| Koller's Elk Brand Phosphate (6781) | 3.24 | 3.00 | 13.26 | 12.00 | 5.89 | 6.00 | --- |
| Koller's Improved Potato Mixture (6784) | 5.25 | 5.00 | 11.11 | 10.00 | 10.84 | 10.00 | --- |
| Koller's Keystone Potato Phosphate (6783) | 4.00 | 4.00 | 9.75 | 8.00 | *7.42 | 8.00 | --- |
| Koller's Lion Brand Phosphate (6780) | *1.70 | 2.00 | 13.52 | 12.00 | 6.60 | 6.00 | --- |
| Koller's Lion Brand Phosphate (7329) | 2.29 | 2.00 | 13.34 | 12.00 | *5.68 | 6.00 | --- |
| Koller's Producer Phosphate (6779) | 2.00 | 2.00 | 10.38 | 8.00 | *9.21 | 10.00 | --- |
| Koller's Producer Phosphate (7328) | 2.12 | 2.00 | 9.78 | 8.00 | 11.38 | 10.00 | --- |
| Koller's Special Pea Mixture (6785) | 3.03 | 3.00 | 12.06 | 10.00 | 10.65 | 10.00 | --- |
| Koller's Super Ammoniated Phosphate (6778) | 2.12 | 2.00 | 11.04 | 9.00 | *4.58 | 5.00 | --- |
| Koller's Super Ammoniated Phosphate (7327) | 2.13 | 2.00 | 11.27 | 9.00 | *4.66 | 5.00 | --- |
| Koller's Tobacco Special (6782) | 3.01 | 3.00 | 9.37 | 8.00 | 12.28 | 12.00 | --- |
| **LANCASTER BONE FERTILIZER CO., INC. Quarryville, Pa.** | | | | | | | |
| Conestoga 2-8-10 (6434) | 2.66 | 2.00 | 8.96 | 8.00 | *8.92 | 10.00 | --- |
| Conestoga 2-8-10 (6503) | 2.91 | 2.00 | 8.67 | 8.00 | 10.08 | 10.00 | --- |
| Conestoga 2-8-10 (6527) | 2.29 | 2.00 | 8.64 | 8.00 | 9.81 | 10.00 | --- |
| Conestoga 2-8-10 (6791) | 2.14 | 2.00 | 8.99 | 8.00 | 10.59 | 10.00 | --- |
| Conestoga 2-8-10 (7313) | 2.00 | 2.00 | 9.17 | 8.00 | 10.09 | 10.00 | --- |
| Conestoga 2-8-10 (7319) | 2.16 | 2.00 | 8.85 | 8.00 | 10.14 | 10.00 | --- |
| Conestoga 2-8-10 (7343) | 2.14 | 2.00 | 8.71 | 8.00 | *9.69 | 10.00 | --- |
| Conestoga 3-12-6 (6433) | 3.27 | 3.00 | 12.29 | 12.00 | 6.07 | 6.00 | --- |
| Conestoga 3-12-6 (6504) | 3.06 | 3.00 | 12.90 | 12.00 | 6.53 | 6.00 | --- |
| Conestoga 3-12-6 (6522) | 3.48 | 3.00 | *11.66 | 12.00 | 6.22 | 6.00 | --- |
| Conestoga 3-12-6 (6789) | 3.29 | 3.00 | 12.70 | 12.00 | 6.21 | 6.00 | --- |
| Conestoga 3-12-6 (7310) | 2.90 | 3.00 | 12.26 | 12.00 | 6.09 | 6.00 | --- |
| Conestoga 3-12-6 (7317) | 3.05 | 3.00 | 12.51 | 12.00 | 6.25 | 6.00 | --- |
| Conestoga 4-16-4 (6500) | 4.10 | 4.00 | 16.38 | 16.00 | 4.45 | 4.00 | --- |
| Conestoga Fish Compound (6528) | 2.55 | 2.00 | 10.02 | 10.00 | 5.67 | 5.00 | --- |
| Conestoga Fish Compound (7145) | 2.28 | 2.00 | 10.98 | 10.00 | 4.90 | 5.00 | --- |
| Conestoga Fish Compound (7312) | 2.01 | 2.00 | 10.37 | 10.00 | 5.52 | 5.00 | --- |
| Conestoga Grain Special (6496) | 2.29 | 2.00 | 12.53 | 12.00 | 5.85 | 6.00 | --- |
| Conestoga Grain Special (6520) | 2.27 | 2.00 | 12.08 | 12.00 | 6.20 | 6.00 | --- |
| Conestoga Grain Special (6790) | 2.15 | 2.00 | 12.66 | 12.00 | 6.01 | 6.00 | --- |
| Conestoga Grain Special (7311) | 2.10 | 2.00 | 12.50 | 12.00 | 6.08 | 6.00 | --- |
| Conestoga Grain Special (7318) | 2.10 | 2.00 | 12.51 | 12.00 | 6.22 | 6.00 | --- |
| Conestoga Grain Special (7341) | 2.03 | 2.00 | 12.49 | 12.00 | 6.21 | 6.00 | --- |
| Conestoga Harvest Queen (6497) | 2.18 | 2.00 | 9.69 | 9.00 | 5.60 | 5.00 | --- |
| Conestoga Harvest Queen (6524) | 2.09 | 2.00 | 9.69 | 9.00 | 5.13 | 5.00 | --- |
| Conestoga Harvest Queen (6792) | 2.08 | 2.00 | 9.49 | 9.00 | 5.25 | 5.00 | --- |
| Conestoga Harvest Queen (7214) | 2.01 | 2.00 | 10.12 | 9.00 | 5.43 | 5.00 | --- |
| Conestoga Harvest Queen (7314) | 2.02 | 2.00 | 9.63 | 9.00 | 5.23 | 5.00 | --- |
| Conestoga Harvest Queen (7320) | 2.00 | 2.00 | 9.53 | 9.00 | 5.58 | 5.00 | --- |
| Conestoga Harvest Queen (7344) | 2.01 | 2.00 | 9.96 | 9.00 | 5.12 | 5.00 | --- |
| Conestoga Potato Special (6499) | *3.57 | 4.00 | 10.93 | 10.00 | 8.29 | 8.00 | --- |
| Conestoga Potato Special (6521) | 4.49 | 4.00 | 10.85 | 10.00 | *7.40 | 8.00 | --- |
| Conestoga Potato Special (6787) | 4.01 | 4.00 | 10.75 | 10.00 | 7.85 | 8.00 | --- |
| Conestoga Top Dresser (6786) | *9.41 | 10.00 | 6.77 | 6.00 | 4.43 | 4.00 | --- |
| Conestoga Truckers Special (6498) | 4.01 | 4.00 | 8.93 | 8.00 | 8.64 | 8.00 | --- |
| Conestoga Truckers Special (6525) | 4.12 | 4.00 | 8.69 | 8.00 | 8.05 | 8.00 | --- |
| Conestoga Truckers Special (6788) | 4.02 | 4.00 | 8.72 | 8.00 | 8.02 | 8.00 | --- |
| **LEBANON FERTILIZER WORKS Lebanon, Pa.** | | | | | | | |
| Levan's 1-10-5 (6708) | 1.26 | 1.00 | 10.23 | 10.00 | 5.29 | 5.00 | --- |
| Levan's 2-8-10 (6703) | 2.29 | 2.00 | 8.48 | 8.00 | *9.68 | 10.00 | --- |
| Levan's 2-9-5 (6702) | 2.28 | 2.00 | 9.12 | 9.00 | 5.28 | 5.00 | --- |
| Levan's 2-12-4 (6704) | 2.27 | 2.00 | 12.19 | 12.00 | 4.48 | 4.00 | --- |
| Levan's 2-12-6 (6701) | 2.17 | 2.00 | 12.03 | 12.00 | 6.50 | 6.00 | --- |
| Levan's 5-8-7 (6710) | 5.29 | 5.00 | 8.23 | 8.00 | 7.65 | 7.00 | --- |
| Levan's 3-5-12 (6709) | 3.28 | 3.00 | 5.27 | 5.00 | 12.12 | 12.00 | --- |
| Levan's 3-12-6 (6699) | 3.25 | 3.00 | 12.08 | 12.00 | 6.59 | 6.00 | --- |
| Levan's 4-8-7 (6707) | 4.18 | 4.00 | 8.09 | 8.00 | 7.20 | 7.00 | --- |
| Levan's 4-8-8 (6706) | 4.29 | 4.00 | 8.02 | 8.00 | 8.68 | 8.00 | --- |
| Levan's 4-16-4 (6695) | 4.27 | 4.00 | 16.02 | 16.00 | 4.33 | 4.00 | --- |
| Levan's 5-10-5 (6700) | 5.02 | 5.00 | 10.73 | 10.00 | 5.00 | 5.00 | --- |
| **FRED E. LORD INC., Espy, Pa.** | | | | | | | |
| Lord's 2-8-10 (6439) | 2.14 | 2.00 | 8.63 | 8.00 | 10.70 | 10.00 | --- |
| Lord's 2-8-10 (7121) | 2.30 | 2.00 | 8.70 | 8.00 | 10.56 | 10.00 | --- |
| Lord's 2-12-6 (6437) | 2.23 | 2.00 | 12.70 | 12.00 | 6.75 | 6.00 | --- |
| Lord's 2-12-6 (7120) | 2.19 | 2.00 | 12.93 | 12.00 | 6.37 | 6.00 | --- |
| Lord's 4-8-8 (6438) | 4.24 | 4.00 | 8.82 | 8.00 | 7.91 | 8.00 | --- |
| Lord's 4-8-8 (7119) | 4.10 | 4.00 | 8.82 | 8.00 | 8.71 | 8.00 | --- |
| Lord's 5-10-5 (6435) | 5.01 | 5.00 | 10.30 | 10.00 | 5.02 | 5.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|
| | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Lord's 5-10-5 | (7124) | 5.11 | 5.00 | 10.90 | 10.00 | 5.64 | 5.00 | --- |
| **MILLER CHEMICAL & FERTILIZER CORP. Baltimore, Md.** | | | | | | | | |
| Rich Yield 2-12-6 | (6462) | 2.25 | 2.00 | 12.40 | 12.00 | 6.44 | 6.00 | --- |
| Rich Yield 2-12-6 | (6920) | 2.08 | 2.00 | 12.06 | 12.00 | 6.09 | 6.00 | --- |
| Rich Yield 3-12-6 | (6463) | 3.29 | 3.00 | 12.58 | 12.00 | 5.93 | 6.00 | --- |
| Rich Yield 3-12-6 | (6918) | 3.12 | 3.00 | 12.52 | 12.00 | 6.46 | 6.00 | --- |
| Rich Yield Potato & Vegetable 4-8-8 | (6282) | 4.17 | 4.00 | 8.50 | 8.00 | 7.83 | 8.00 | --- |
| Rich Yield Potato & Vegetable 4-8-8 | (6453) | 4.26 | 4.00 | 8.33 | 8.00 | *7.71 | 8.00 | --- |
| Rich Yield 4-16-4 | (6917) | 4.02 | 4.00 | 16.12 | 16.00 | 4.41 | 4.00 | --- |
| Rich Yield Fruit & Tree Food | (6464) | 10.28 | 10.00 | 6.09 | 6.00 | *3.53 | 4.00 | --- |
| Rich Yield Harvest Queen | (6919) | 2.12 | 2.00 | 9.27 | 9.00 | 5.01 | 5.00 | --- |
| **ORGANIC PLANT FOOD COMPANY Lancaster, Pa.** | | | | | | | | |
| Master Farmer 2-12-6 | (6542) | 2.22 | 2.00 | 12.63 | 12.00 | 6.76 | 6.00 | --- |
| Master Farmer 4-8-8 | (6543) | 4.14 | 4.00 | *7.72 | 8.00 | 8.10 | 8.00 | --- |
| **READING BONE FERTILIZER COMPANY Reading, Pa.** | | | | | | | | |
| Reading 2-8-10 | (6316) | 1.91 | 2.00 | 9.30 | 8.00 | *8.08 | 10.00 | --- |
| Reading 2-8-10 | (6549) | 2.01 | 2.00 | 8.74 | 8.00 | *8.60 | 10.00 | --- |
| Reading 2-8-10 | (6965) | 2.13 | 2.00 | 8.91 | 8.00 | *9.71 | 10.00 | --- |
| Reading 2-8-10 | (7082) | 2.10 | 2.00 | 8.06 | 8.00 | 10.38 | 10.00 | --- |
| Reading 2-8-10 | (7306) | 2.01 | 2.00 | 8.72 | 8.00 | *9.56 | 10.00 | --- |
| Reading 2-9-5 | (6315) | 2.01 | 2.00 | 9.36 | 9.00 | 5.78 | 5.00 | --- |
| Reading 2-9-5 | (6550) | 2.16 | 2.00 | 9.24 | 9.00 | 5.72 | 5.00 | --- |
| Reading 2-9-5 | (6962) | 2.00 | 2.00 | 9.71 | 9.00 | 5.16 | 5.00 | --- |
| Reading 2-9-5 | (7090) | 2.14 | 2.00 | 9.65 | 9.00 | 6.16 | 5.00 | --- |
| Reading 2-9-5 | (7139) | 2.01 | 2.00 | 9.66 | 9.00 | 5.76 | 5.00 | --- |
| Reading 2-9-5 | (7307) | 2.10 | 2.00 | 10.46 | 9.00 | 6.24 | 5.00 | --- |
| Reading 3-12-6 | (6547) | *2.77 | 3.00 | 12.29 | 12.00 | 6.22 | 6.00 | --- |
| Reading 3-12-6 | (7304) | 3.01 | 3.00 | 12.13 | 12.00 | 6.03 | 6.00 | --- |
| Reading 4-8-8 | (6314) | 4.03 | 4.00 | 9.28 | 8.00 | *7.71 | 8.00 | --- |
| Reading 4-8-8 | (6546) | *3.26 | 4.00 | 9.11 | 8.00 | 8.37 | 8.00 | --- |
| Reading 4-8-8 | (7086) | 3.81 | 4.00 | 9.31 | 8.00 | 8.38 | 8.00 | --- |
| Reading 4-8-8 | (7303) | 4.01 | 4.00 | 9.28 | 8.00 | *7.68 | 8.00 | --- |
| Reading 4-16-4 | (6336) | *3.69 | 4.00 | 16.96 | 16.00 | 4.09 | 4.00 | --- |
| Reading 4-16-4 | (6545) | *3.79 | 4.00 | 17.48 | 16.00 | 4.12 | 4.00 | --- |
| Reading 4-16-4 | (7091) | 4.23 | 4.00 | *13.50 | 16.00 | 4.44 | 4.00 | --- |
| Reading 4-16-4 | (7302) | *3.63 | 4.00 | 17.48 | 16.00 | 4.15 | 4.00 | --- |
| Reading 5-10-5 | (6338) | *3.93 | 5.00 | 11.70 | 10.00 | 5.86 | 5.00 | --- |
| Reading 5-10-5 | (6544) | *4.75 | 5.00 | 10.91 | 10.00 | 5.12 | 5.00 | --- |
| Reading 5-10-5 | (7084) | *4.57 | 5.00 | 11.27 | 10.00 | 5.68 | 5.00 | --- |
| Reading 5-10-5 | (7301) | *4.65 | 5.00 | 11.43 | 10.00 | 5.43 | 5.00 | --- |
| Reading All Crop Special 2-12-6 | (6317) | 2.15 | 2.00 | 12.80 | 12.00 | 5.89 | 6.00 | --- |
| Reading All Crop Special 2-12-6 | (6548) | 2.16 | 2.00 | *11.69 | 12.00 | 7.61 | 6.00 | --- |
| Reading All Crop Special 2-12-6 | (6964) | 2.01 | 2.00 | *11.47 | 12.00 | 6.43 | 6.00 | --- |
| Reading All Crop Special 2-12-6 | (7092) | 2.20 | 2.00 | 11.97 | 12.00 | 6.80 | 6.00 | --- |
| Reading All Crop Special 2-12-6 | (7138) | 2.18 | 2.00 | 11.86 | 12.00 | 6.59 | 6.00 | --- |
| Reading All Crop Special 2-12-6 | (7305) | 2.02 | 2.00 | *11.77 | 12.00 | 6.61 | 6.00 | --- |
| **ROBERT A. REICHARD, INC. Allentown, Pa.** | | | | | | | | |
| Reichard's Animal Base 2-9-5 | (7109) | 2.02 | 2.00 | 9.95 | 9.00 | 5.10 | 5.00 | --- |
| Reichard's Animal Base 2-12-6 | (7110) | 2.06 | 2.00 | 13.29 | 12.00 | 6.10 | 6.00 | --- |
| Reichard's Animal Base 2-12-6 | (7350) | 2.05 | 2.00 | 12.75 | 12.00 | 6.45 | 6.00 | --- |
| **F. S. ROYSTER GUANO COMPANY Baltimore, Md.** | | | | | | | | |
| Royster Banner Guano | (6579) | 2.00 | 2.00 | 8.81 | 8.00 | 10.49 | 10.00 | --- |
| Royster Banner Guano | (7146) | 2.02 | 2.00 | 10.21 | 8.00 | 10.98 | 10.00 | --- |
| Royster Big Bully Guano | (6281) | 2.03 | 2.00 | 9.61 | 9.00 | 6.04 | 5.00 | --- |
| Royster Big Bully Guano | (6483) | 2.08 | 2.00 | 10.00 | 9.00 | 5.00 | 5.00 | --- |
| Royster Big Bully Guano | (6583) | 2.09 | 2.00 | 10.37 | 9.00 | 4.93 | 5.00 | --- |
| Royster Big Bully Guano | (6850) | 2.04 | 2.00 | 9.80 | 9.00 | 5.23 | 5.00 | --- |
| Royster Big Bully Guano | (6968) | 2.02 | 2.00 | 9.92 | 9.00 | 5.34 | 5.00 | --- |
| Royster Curlew Guano | (6242) | 3.02 | 3.00 | 12.35 | 12.00 | 6.40 | 6.00 | --- |
| Royster Curlew Guano | (6279) | 3.05 | 3.00 | 12.74 | 12.00 | 6.33 | 6.00 | --- |
| Royster Curlew Guano | (6578) | *2.73 | 3.00 | 12.76 | 12.00 | 6.56 | 6.00 | --- |
| Royster Curlew Guano | (6897) | 3.02 | 3.00 | 12.85 | 12.00 | 6.19 | 6.00 | --- |
| Royster Curlew Guano | (6970) | 3.17 | 3.00 | 12.23 | 12.00 | 6.26 | 6.00 | --- |
| Royster Curlew Guano | (7298) | 3.29 | 3.00 | 13.52 | 12.00 | 6.14 | 6.00 | --- |
| Royster Dependable Truck Guano | (6246) | 5.01 | 5.00 | 10.86 | 10.00 | 4.85 | 5.00 | --- |
| Royster Dependable Truck Guano | (6852) | 5.25 | 5.00 | 10.32 | 10.00 | 5.00 | 5.00 | --- |
| Royster Gem Grain Guano | (6280) | 2.05 | 2.00 | 12.88 | 12.00 | 4.51 | 4.00 | --- |
| Royster Gem Grain Guano | (6481) | 2.01 | 2.00 | 12.48 | 12.00 | 4.16 | 4.00 | --- |
| Royster Hercules Guano | (6848) | 4.28 | 4.00 | 17.14 | 16.00 | 4.01 | 4.00 | --- |
| Royeter Master Grain Guano | (6244) | 2.28 | 2.00 | 12.57 | 12.00 | 6.52 | 6.00 | --- |
| Royster Master Grain Guano | (6851) | 2.12 | 2.00 | 12.75 | 12.00 | 6.07 | 6.00 | --- |
| Royster Master Grain Guano | (6898) | 2.14 | 2.00 | 12.30 | 12.00 | 6.61 | 6.00 | --- |
| Royster Master Grain Guano | (6971) | 2.13 | 2.00 | 12.52 | 12.00 | 6.37 | 6.00 | --- |
| Royster Master Grain Guano | (7296) | 2.16 | 2.00 | 13.22 | 12.00 | 6.15 | 6.00 | --- |
| Royster Prize Guano | (6245) | 4.10 | 4.00 | 8.62 | 8.00 | 10.54 | 10.00 | --- |
| Royster Trojan Guano | (6853) | 4.25 | 4.00 | 12.85 | 12.00 | 4.12 | 4.00 | --- |
| Royster Trusty Guano | (6239) | 4.27 | 4.00 | 9.12 | 8.00 | *7.67 | 8.00 | --- |

*Deficient

## TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Royster Trusty Guano | | (6278) | 4.07 | 4.00 | 8.84 | 8.00 | 8.19 | 8.00 | --- |
| Royster Trusty Guano | | (6849) | 4.14 | 4.00 | 8.49 | 8.00 | 7.83 | 8.00 | --- |
| Royster Trusty Guano | | (6899) | 4.01 | 4.00 | 8.57 | 8.00 | 7.86 | 8.00 | --- |
| Royster Trusty Guano | | (6973) | 4.08 | 4.00 | 8.57 | 8.00 | 8.00 | 8.00 | --- |
| CHARLES H. SEIBERT Myerstown, Pa. | | | | | | | | | |
| Grade #1 | 2-10-5 | (6712) | 2.30 | 2.00 | 10.82 | 10.00 | 5.24 | 5.00 | --- |
| Grade #2 | 2-8-10 | (6717) | 2.28 | 2.00 | 9.10 | 8.00 | 11.32 | 10.00 | --- |
| Grade #3 | 2-12-6 | (6711) | 2.52 | 2.00 | 12.43 | 12.00 | 6.89 | 6.00 | --- |
| Grade #4 | 4-8-8 | (6716) | 4.03 | 4.00 | 8.72 | 8.00 | 8.73 | 8.00 | --- |
| Grade #5 | 4-16-10 | (6713) | 4.09 | 4.00 | 16.82 | 16.00 | 10.14 | 10.00 | --- |
| Grade #6 | 5-10-10 | (6714) | 5.06 | 5.00 | 10.09 | 10.00 | 10.44 | 10.00 | --- |
| Grade #7 | 4-16-4 | (6718) | 4.01 | 4.00 | 16.04 | 16.00 | 4.29 | 4.00 | --- |
| Grade #8 | 3-12-6 | (6715) | 3.11 | 3.00 | 12.48 | 12.00 | 6.01 | 6.00 | --- |
| M. L. SHOEMAKER & CO., INC. Philadelphia, Pa. | | | | | | | | | |
| Swift Sure | 2-8-10 | (6340) | 2.08 | 2.00 | 8.89 | 8.00 | 10.45 | 10.00 | --- |
| Swift Sure | 2-9-5 | (6319) | 2.09 | 2.00 | 9.35 | 9.00 | *4.49 | 5.00 | --- |
| Swift Sure | 2-12-6 | (6817) | 2.28 | 2.00 | 12.98 | 12.00 | 7.50 | 6.00 | --- |
| Swift Sure | 3-12-6 | (6318) | 3.17 | 3.00 | 12.36 | 12.00 | 5.83 | 6.00 | --- |
| Swift Sure | 3-12-6 | (7081) | 3.23 | 3.00 | 12.69 | 12.00 | *4.74 | 6.00 | --- |
| Swift Sure | 4-8-5 | (6341) | 5.15 | 4.00 | 10.48 | 8.00 | 6.24 | 5.00 | --- |
| Swift Sure | 4-8-7 | (6339) | 4.17 | 4.00 | 9.02 | 8.00 | *6.49 | 7.00 | --- |
| Swift Sure | 4-8-10 | (6320) | 4.06 | 4.00 | 8.52 | 8.00 | 10.04 | 10.00 | --- |
| SMITH AGRICULTURAL CHEMICAL CO. Columbus, Ohio | | | | | | | | | |
| Sacco | 2-12-6 | (6985) | 2.14 | 2.00 | 12.50 | 12.00 | 6.17 | 6.00 | --- |
| Sacco | 4-16-4 | (6988) | 4.27 | 4.00 | 16.92 | 16.00 | 4.20 | 4.00 | --- |
| SOMERSET COUNTY FERTILIZER WORKS INC., Somerset, Pa. | | | | | | | | | |
| Beaver Brand | 2-8-10 | (6855) | 1.86 | 2.00 | 8.11 | 8.00 | 10.79 | 10.00 | --- |
| Beaver Brand | 2-8-10 | (7269) | 1.84 | 2.00 | 8.96 | 8.00 | 10.50 | 10.00 | --- |
| Beaver Brand | 2-8-10 | (7278) | 2.27 | 2.00 | 7.82 | 8.00 | 11.67 | 10.00 | --- |
| Beaver Brand | 2-9-5 | (6854) | 1.91 | 2.00 | *8.58 | 9.00 | 6.74 | 5.00 | --- |
| Beaver Brand | 2-9-5 | (7270) | *1.78 | 2.00 | 9.80 | 9.00 | 5.66 | 5.00 | --- |
| Beaver Brand | 2-9-5 | (7277) | *1.76 | 2.00 | 9.60 | 9.00 | 5.88 | 5.00 | --- |
| Beaver Brand | 2-12-4 | (6857) | 2.02 | 2.00 | 12.61 | 12.00 | 4.42 | 4.00 | --- |
| Beaver Brand | 2-12-4 | (7275) | *1.67 | 2.00 | 12.57 | 12.00 | 4.60 | 4.00 | --- |
| Beaver Brand | 2-12-6 | (6594) | 2.09 | 2.00 | 12.93 | 12.00 | 6.60 | 6.00 | --- |
| Beaver Brand | 2-12-6 | (6864) | 2.00 | 2.00 | 12.92 | 12.00 | 6.56 | 6.00 | --- |
| Beaver Brand | 2-12-6 | (7273) | 1.82 | 2.00 | 12.47 | 12.00 | 6.79 | 6.00 | --- |
| Beaver Brand | 2-12-6 | (7276) | 2.01 | 2.00 | 12.55 | 12.00 | 6.53 | 6.00 | --- |
| Beaver Brand | 4-8-8 | (6856) | 4.01 | 4.00 | 8.98 | 8.00 | 8.57 | 8.00 | --- |
| Beaver Brand | 4-12-4 | (6859) | 4.02 | 4.00 | 13.08 | 12.00 | 4.25 | 4.00 | --- |
| Beaver Brand | 4-12-4 | (7274) | *3.46 | 4.00 | 13.81 | 12.00 | 4.76 | 4.00 | --- |
| Beaver Brand | 4-12-4 | (7280) | 3.82 | 4.00 | 13.32 | 12.00 | 4.50 | 4.00 | --- |
| Beaver Brand | 4-16-4 | (7268) | *3.68 | 4.00 | 16.96 | 16.00 | 4.23 | 4.00 | --- |
| Beaver Brand Garden Fertilizer | 5-10-5 | (6751) | *4.79 | 5.00 | 11.32 | 10.00 | 5.11 | 5.00 | --- |
| STANDARD WHOLESALE PHOSPHATE & ACID WORKS, INC., Baltimore, Md. | | | | | | | | | |
| Standard Prosperity Brand | 2-12-6 | (6658) | 2.29 | 2.00 | 12.83 | 12.00 | 6.10 | 6.00 | --- |
| SWACK FERTILIZER COMPANY DuBois, Pa. | | | | | | | | | |
| Swack's | 2-8-10 | (6830) | 2.12 | 2.00 | 8.42 | 8.00 | 11.69 | 10.00 | --- |
| Swack's | 2-8-10 | (6987) | 2.13 | 2.00 | 8.82 | 8.00 | 10.49 | 10.00 | --- |
| Swack's | 2-9-5 | (6572) | 2.06 | 2.00 | *8.56 | 9.00 | 4.96 | 5.00 | --- |
| Swack's | 2-9-5 | (6834) | 2.02 | 2.00 | 9.45 | 9.00 | 5.18 | 5.00 | --- |
| Swack's | 2-12-4 | (6829) | 2.21 | 2.00 | 12.61 | 12.00 | 4.48 | 4.00 | --- |
| Swack'e | 2-12-4 | (6999) | 2.15 | 2.00 | 12.69 | 12.00 | 4.51 | 4.00 | --- |
| Swack's | 2-12-6 | (6614) | 2.27 | 2.00 | 12.82 | 12.00 | 6.32 | 6.00 | --- |
| Swack's | 2-12-6 | (6984) | 2.23 | 2.00 | 12.27 | 12.00 | 6.01 | 6.00 | --- |
| Swack's | 3-12-6 | (6832) | 3.19 | 3.00 | 12.41 | 12.00 | 6.72 | 6.00 | --- |
| Swack's | 3-12-6 | (6989) | 3.17 | 3.00 | 12.87 | 12.00 | 6.36 | 6.00 | --- |
| Swack's | 4-8-8 | (6574) | 4.29 | 4.00 | 9.21 | 8.00 | 8.67 | 8.00 | --- |
| Swack's | 4-8-8 | (6833) | 4.28 | 4.00 | 8.87 | 8.00 | 8.86 | 8.00 | --- |
| Swack's | 4-8-8 | (6998) | 3.86 | 4.00 | 8.87 | 8.00 | 8.95 | 8.00 | --- |
| Swack's | 4-12-4 | (6612) | 4.21 | 4.00 | 12.79 | 12.00 | 4.19 | 4.00 | --- |
| Swack's | 4-16-4 | (6616) | 4.24 | 4.00 | 17.08 | 16.00 | 4.40 | 4.00 | --- |
| Swack'a | 5-10-5 | (6571) | 5.28 | 5.00 | 10.64 | 10.00 | 5.50 | 5.00 | --- |
| Swack's | 5-10-5 | (6835) | 5.29 | 5.00 | 10.84 | 10.00 | 5.22 | 5.00 | --- |
| Swack's | 8-16-16 | (6831) | 8.26 | 8.00 | *14.08 | 16.00 | 17.19 | 16.00 | --- |
| SWIFT & COMPANY FERTILIZER WORKS Baltimore, Md. | | | | | | | | | |
| Swift's Red Steer | 2-8-10 | (6769) | 2.01 | 2.00 | 8.06 | 8.00 | 10.19 | 10.00 | --- |
| Swift's Red Steer | 2-9-5 | (7216) | 2.00 | 2.00 | 10.06 | 9.00 | 5.40 | 5.00 | --- |
| Swift's Red Steer | 2-12-4 | (6402) | 2.10 | 2.00 | 12.42 | 12.00 | 4.02 | 4.00 | --- |
| Swift's Red Steer | 2-12-4 | (6582) | 2.23 | 2.00 | 12.72 | 12.00 | 4.12 | 4.00 | --- |
| Swift'e Red Steer | 2-12-4 | (6914) | 2.01 | 2.00 | 12.30 | 12.00 | 4.12 | 4.00 | --- |
| Swift's Red Steer | 2-12-6 | (6270) | 1.94 | 2.00 | 12.98 | 12.00 | 5.85 | .00 | --- |
| Swift's Red Steer | 2-12-6 | (6401) | 2.11 | 2.00 | 12.08 | 12.00 | 6.26 | 6.00 | --- |
| Swift'e Red Steer | 2-12-6 | (6600) | 2.16 | 2.00 | 12.66 | 12.00 | 6.01 | 6.00 | --- |
| Swift's Red Steer | 2-12-6 | (6760) | 2.01 | 2.00 | 12.49 | 12.00 | 6.20 | 6.00 | --- |
| Swift's Red Steer | 2-12-6 | (6915) | 1.98 | 2.00 | 12.27 | 12.00 | 6.12 | 6.00 | --- |
| Swift'a Red Steer | 2-12-6 | (6996) | 2.00 | 2.00 | 12.14 | 12.00 | 6.19 | 6.00 | --- |
| Swift's Red Steer | 2-12-6 | (7222) | 2.02 | 2.00 | 12.37 | 12.00 | 6.29 | 6.00 | --- |
| Swift's Red Steer | 3-12-6 | (6766) | 3.02 | 3.00 | 12.33 | 12.00 | 6.30 | 6.00 | --- |
| Swift's Red Steer | 3-12-6 | (6966) | 2.88 | 3.00 | 12.39 | 12.00 | 6.56 | 6.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| Swift'e Red Steer | 3-12-6 | (6993) | *2.42 | 3.00 | 12.57 | 12.00 | 6.10 | 6.00 | --- |
| Swift's Red Steer | 4-8-8 | (6277) | 4.05 | 4.00 | 8.44 | 8.00 | 8.61 | 8.00 | --- |
| Swift's Red Steer | 4-8-8 | (7223) | 4.04 | 4.00 | 9.25 | 8.00 | 8.53 | 8.00 | --- |
| Swift's Red Steer | 4-12-4 | (6581) | 4.19 | 4.00 | 12.87 | 12.00 | 4.19 | 4.00 | --- |
| Swift's Red Steer | 4-12-4 | (6767) | 4.21 | 4.00 | 12.72 | 12.00 | 4.40 | 4.00 | --- |
| Swift's Red Steer | 4-12-4 | (6995) | 4.07 | 4.00 | 12.12 | 12.00 | 4.19 | 4.00 | --- |
| Swift's Red Steer | 4-16-4 | (7239) | *3.70 | 4.00 | 17.22 | 16.00 | 3.98 | 4.00 | --- |
| Swift's Red Steer | 5-10-5 | (6768) | 4.83 | 5.00 | 10.68 | 10.00 | 5.66 | 5.00 | --- |
| Vigoro | | (7369) | 4.29 | 4.00 | 12.56 | 12.00 | 4.65 | 4.00 | --- |
| I. P. THOMAS & SON COMPANY Camden, N. J. | | | | | | | | | |
| Economy Fertilizer | 4-12-4 | (6803) | 4.14 | 4.00 | 12.03 | 12.00 | 4.50 | 4.00 | --- |
| I. P. Thomas | 4-8-8 | (6801) | 4.23 | 4.00 | 8.62 | 8.00 | 9.06 | 8.00 | --- |
| Tip Top Fertilizer | 3-12-6 | (6802) | 3.23 | 3.00 | 12.97 | 12.00 | 6.65 | 6.00 | --- |
| F. W. TUNNELL & COMPANY INC. Philadelphia, Pa. | | | | | | | | | |
| Tunnell's Fertilizer | 2-9-5 | (6343) | 2.23 | 2.00 | 9.69 | 9.00 | 4.93 | 5.00 | --- |
| Tunnell's Fertilizer | 2-9-5 | (6814) | 2.86 | 2.00 | 9.23 | 9.00 | 5.05 | 5.00 | --- |
| Tunnell's Fertilizer | 2-9-5 | (7033) | 2.28 | 2.00 | 9.43 | 9.00 | 5.23 | 5.00 | --- |
| Tunnell'e Fertilizer | 2-9-5 | (7099) | 2.27 | 2.00 | 9.71 | 9.00 | 5.51 | 5.00 | --- |
| Tunnell's Fertilizer | 2-9-5 | (7348) | 2.27 | 2.00 | 9.45 | 9.00 | 5.60 | 5.00 | --- |
| Tunnell's Fertilizer | 2-12-6 | (6323) | 2.18 | 2.00 | 12.38 | 12.00 | 6.06 | 6.00 | --- |
| Tunnell's Fertilizer | 2-12-6 | (6815) | 2.25 | 2.00 | 12.39 | 12.00 | 6.22 | 6.00 | --- |
| Tunnell's Fertilizer | 2-12-6 | (7073) | 2.19 | 2.00 | 12.35 | 12.00 | 6.13 | 6.00 | --- |
| Tunnell's Fertilizer | 2-12-6 | (7115) | 2.30 | 2.00 | 12.59 | 12.00 | 6.21 | 6.00 | --- |
| Tunnell's Fertilizer | 2-12-6 | (7356) | 2.29 | 2.00 | 12.57 | 12.00 | 6.09 | 6.00 | --- |
| Tunnell's Fertilizer | 3-12-6 | (7061) | 3.30 | 3.00 | 12.52 | 12.00 | 6.40 | 6.00 | --- |
| Tunnell's Fertilizer | 3-12-6 | (7114) | 3.22 | 3.00 | 12.62 | 12.00 | 6.20 | 6.00 | --- |
| Tunnell's Fertilizer | 3-12-6 | (7354) | 3.29 | 3.00 | 12.21 | 12.00 | 6.00 | 6.00 | --- |
| Tunnell's Fertilizer | 4-8-8 | (6324) | 4.17 | 4.00 | 8.57 | 8.00 | 8.17 | 8.00 | --- |
| Tunnell'e Fertilizer | 4-8-8 | (6816) | 4.01 | 4.00 | 8.55 | 8.00 | 7.88 | 8.00 | --- |
| Tunnell's Fertilizer | 4-8-10 | (6344) | 4.14 | 4.00 | 8.36 | 8.00 | 10.17 | 10.00 | --- |
| Tunnell's Fertilizer | 4-16-4 | (7355) | 4.28 | 4.00 | 17.16 | 16.00 | 4.09 | 4.00 | --- |
| Tunnell's Fertilizer | 5-10-5 | (6322) | 5.01 | 5.00 | 10.91 | 10.00 | 5.34 | 5.00 | --- |
| Tunnell's Fertilizer | 5-10-10 | (6345) | 5.08 | 5.00 | 10.42 | 10.00 | 9.83 | 10.00 | --- |
| Tunnell's Fertilizer | 7-7-7 | (6325) | 7.01 | 7.00 | 8.00 | 7.00 | 7.31 | 7.00 | --- |
| UNION FERTILIZER CORP. Pikesville, Md. | | | | | | | | | |
| U. F. C. Fertilizer | 2-12-6 | (6935) | 1.91 | 2.00 | 12.23 | 12.00 | 6.45 | 6.00 | --- |
| U. F. C. Fertilizer | 3-10-10 | (6934) | 3.29 | 3.00 | 10.45 | 10.00 | *9.70 | 10.00 | --- |
| VIRGINIA-CAROLINA CHEMICAL CORP. Baltimore, Md. | | | | | | | | | |
| V-C Fertilizer | 2-8-10 | (6451) | 2.09 | 2.00 | 8.85 | 8.00 | 10.48 | 10.00 | --- |
| V-C Fertilizer | 2-8-10 | (6799) | 1.84 | 2.00 | 8.61 | 8.00 | 10.26 | 10.00 | --- |
| V-C Fertilizer | 2-8-10 | (7069) | 2.10 | 2.00 | 8.49 | 8.00 | 10.29 | 10.00 | --- |
| V-C Fertilizer | 2-9-5 | (6800) | 2.29 | 2.00 | 9.07 | 9.00 | 5.23 | 5.00 | --- |
| V-C Fertilizer | 2-9-5 | (6874) | 2.17 | 2.00 | 9.71 | 9.00 | 5.25 | 5.00 | --- |
| V-C Fertilizer | 2-12-4 | (6398) | 2.14 | 2.00 | 12.89 | 12.00 | 4.09 | 4.00 | --- |
| V-C Fertilizer | 2-12-4 | (6452) | 2.13 | 2.00 | 12.95 | 12.00 | 4.11 | 4.00 | --- |
| V-C Fertilizer | 2-12-4 | (6975) | 2.12 | 2.00 | 12.75 | 12.00 | 4.00 | 4.00 | --- |
| V-C Fertilizer | 2-12-6 | (6397) | 2.02 | 2.00 | 12.75 | 12.00 | 6.15 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (6448) | 2.00 | 2.00 | 12.90 | 12.00 | 6.41 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (6467) | 2.01 | 2.00 | 13.11 | 12.00 | 6.53 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (6808) | 2.11 | 2.00 | 12.91 | 12.00 | 6.38 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (6976) | 2.06 | 2.00 | 12.78 | 12.00 | 5.93 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (7148) | 2.18 | 2.00 | 12.98 | 12.00 | 6.24 | 6.00 | --- |
| V-C Fertilizer | 2-12-6 | (7284) | 2.08 | 2.00 | 12.92 | 12.00 | 6.35 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (6449) | 3.20 | 3.00 | 12.69 | 12.00 | 6.06 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (6812) | 3.29 | 3.00 | 12.76 | 12.00 | 6.62 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (6827) | 3.28 | 3.00 | 12.62 | 12.00 | 6.42 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (6876) | 3.15 | 3.00 | 12.46 | 12.00 | 6.38 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (7068) | 3.10 | 3.00 | 12.12 | 12.00 | 6.17 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (7149) | 3.18 | 3.00 | 12.54 | 12.00 | 6.41 | 6.00 | --- |
| V-C Fertilizer | 3-12-6 | (7255) | 3.01 | 3.00 | 12.88 | 12.00 | 6.44 | 6.00 | --- |
| V-C Fertilizer | 4-8-8 | (6450) | 4.04 | 4.00 | 8.53 | 8.00 | 8.30 | 8.00 | --- |
| V-C Fertilizer | 4-8-8 | (6466) | 4.19 | 4.00 | 9.00 | 8.00 | 8.21 | 8.00 | --- |
| V-C Fertilizer | 4-8-8 | (6820) | 4.26 | 4.00 | 8.76 | 8.00 | 8.51 | 8.00 | --- |
| V-C Fertilizer | 4-8-8 | (6825) | 4.02 | 4.00 | 8.60 | 8.00 | 8.06 | 8.00 | --- |
| V-C Fertilizer | 4-8-8 | (6875) | 4.01 | 4.00 | 8.77 | 8.00 | 8.02 | 8.00 | --- |
| V-C Fertilizer | 4-12-4 | (6399) | *3.80 | 4.00 | 12.72 | 12.00 | 4.00 | 4.00 | --- |
| V-C Fertilizer | 4-12-4 | (6443) | 4.05 | 4.00 | 12.94 | 12.00 | 4.48 | 4.00 | --- |
| V-C Fertilizer | 4-12-4 | (6824) | 3.87 | 4.00 | 12.73 | 12.00 | 3.91 | 4.00 | --- |
| V-C Fertilizer | 4-12-4 | (7070) | 4.03 | 4.00 | 12.17 | 12.00 | 4.21 | 4.00 | --- |
| V-C Fertilizer | 4-12-12 | (6447) | 4.09 | 4.00 | 12.69 | 12.00 | 11.97 | 12.00 | --- |
| V-C Fertilizer | 4-16-4 | (6395) | 4.22 | 4.00 | 17.34 | 16.00 | 4.23 | 4.00 | --- |
| V-C Fertilizer | 4-16-4 | (6444) | 4.14 | 4.00 | 16.24 | 16.00 | 4.07 | 4.00 | --- |
| V-C Fertilizer | 4-16-4 | (6873) | 4.07 | 4.00 | 16.70 | 16.00 | 4.00 | 4.00 | --- |
| V-C Fertilizer | 4-16-4 | (7154) | 3.90 | 4.00 | 16.96 | 16.00 | 4.04 | 4.00 | --- |
| V-C Fertilizer | 5-10-5 | (6813) | 4.83 | 5.00 | 10.84 | 10.00 | 5.69 | 5.00 | --- |
| V-C Fertilizer | 5-10-10 | (6440) | *4.74 | 5.00 | 11.55 | 10.00 | *9.29 | 10.00 | --- |
| V-C Fish & Potash Mixture | | (6396) | 2.09 | 2.00 | 9.59 | 9.00 | 5.07 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6428) | 2.24 | 2.00 | 9.72 | 9.00 | 5.27 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6441) | 2.19 | 2.00 | 9.74 | 9.00 | 5.16 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6465) | 2.22 | 2.00 | 10.06 | 9.00 | 5.14 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6826) | 2.12 | 2.00 | 9.96 | 9.00 | 5.20 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6929) | 2.05 | 2.00 | 9.91 | 9.00 | 5.27 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (6974) | 2.09 | 2.00 | 9.91 | 9.00 | 5.00 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (7071) | 2.19 | 2.00 | 9.92 | 9.00 | 5.36 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (7147) | 2.09 | 2.00 | 10.07 | 9.00 | 5.35 | 5.00 | --- |
| V-C Fish & Potash Mixture | | (7285) | 2.15 | 2.00 | 10.07 | 9.00 | 5.43 | 5.00 | --- |
| WESTERN PENNSYLVANIA NURSERYMAN'S ASSOCIATION, Pittsburgh, Pa. | | | | | | | | | |
| Growell Fertilizer | | (6300) | 4.21 | 4.00 | 12.05 | 12.00 | 4.17 | 4.00 | --- |

*Deficient

TABLE III. ANALYSES OF COMPLETE FERTILIZERS—FURNISHING NITROGEN, PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | | NITROGEN | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **YORK CHEMICAL WORKS, York, Pa.** | | | | | | | | | |
| Dempwolf's | 2-8-10 | (6184) | 2.02 | 2.00 | 8.40 | 8.00 | 10.60 | 10.00 | --- |
| Dempwolf's | 2-8-10 | (6461) | 2.18 | 2.00 | 8.52 | 8.00 | 10.01 | 10.00 | --- |
| Dempwolf's | 2-12-4 | (6188) | 2.28 | 2.00 | 12.66 | 12.00 | 4.50 | 4.00 | --- |
| Dempwolf's | 2-12-6 | (6187) | 2.29 | 2.00 | 12.22 | 12.00 | 6.50 | 6.00 | --- |
| Dempwolf's | 2-12-6 | (6457) | 2.27 | 2.00 | 12.93 | 12.00 | 6.43 | 6.00 | --- |
| Dempwolf's | 4-8-7 | (6192) | 4.00 | 4.00 | 8.29 | 8.00 | 7.91 | 7.00 | --- |
| Dempwolf's | 4-8-8 | (6189) | 4.07 | 4.00 | 8.14 | 8.00 | 8.74 | 8.00 | --- |
| Dempwolf's | 4-8-8 | (6460) | 4.04 | 4.00 | 9.44 | 8.00 | 8.00 | 8.00 | --- |
| Dempwolf's | 4-12-4 | (6180) | 4.27 | 4.00 | 12.70 | 12.00 | 4.78 | 4.00 | --- |
| Dempwolf's | 4-12-4 | (6456) | 4.21 | 4.00 | 13.15 | 12.00 | 4.03 | 4.00 | --- |
| Dempwolf's | 4-12-12 | (6196) | 4.27 | 4.00 | 12.32 | 12.00 | 12.58 | 12.00 | --- |
| Dempwolf's | 4-16-4 | (6183) | 4.26 | 4.00 | 16.94 | 16.00 | 4.76 | 4.00 | --- |
| Dempwolf's | 5-10-5 | (6454) | 5.29 | 5.00 | 10.59 | 10.00 | 5.08 | 5.00 | --- |
| Dempwolf's | 5-10-10 | (6199) | 5.21 | 5.00 | 11.17 | 10.00 | *9.50 | 10.00 | --- |
| Dempwolf's | 5-10-10 | (6459) | 5.13 | 5.00 | 11.37 | 10.00 | 9.87 | 10.00 | --- |
| Dempwolf's | 10-6-4 | (6182) | 10.40 | 10.00 | 6.80 | 6.00 | 4.45 | 4.00 | --- |
| Dempwolf's | 10-6-4 | (6458) | *9.78 | 10.00 | 7.52 | 6.00 | 4.72 | 4.00 | --- |
| Dempwolf's General Crop | | (6191) | 3.20 | 3.00 | 12.15 | 12.00 | 6.63 | 6.00 | --- |
| Dempwolf's General Crop | | (6455) | 3.21 | 3.00 | 12.30 | 12.00 | 6.36 | 6.00 | --- |
| Dempwolf's High Test | | (6181) | 8.29 | 8.00 | 16.86 | 16.00 | 14.88 | 14.00 | --- |
| Dempwolf's Potato & Truck | | (6195) | 5.25 | 5.00 | 8.28 | 8.00 | 7.40 | 7.00 | --- |
| Dempwolf's Standard | | (6193) | 2.16 | 2.00 | 9.31 | 9.00 | 5.40 | 5.00 | --- |
| Dempwolf's Top Dresser | | (6200) | 6.04 | 6.00 | 6.62 | 6.00 | 5.94 | 5.00 | --- |
| **YORK STONE & SUPPLY COMPANY, York, Pa.** | | | | | | | | | |
| Cramer's York | 2-8-10 | (6224) | 2.27 | 2.00 | 8.88 | 8.00 | 10.30 | 10.00 | --- |
| Cramer's York | 2-9-5 | (6228) | 2.29 | 2.00 | 9.88 | 9.00 | 5.76 | 5.00 | --- |
| Cramer's York | 2-9-5 | (6946) | 2.11 | 2.00 | 9.82 | 9.00 | 4.95 | 5.00 | --- |
| Cramer's York | 2-12-4 | (6225) | 2.30 | 2.00 | 12.29 | 12.00 | 4.70 | 4.00 | --- |
| Cramer's York | 2-12-4 | (6267) | 2.51 | 2.00 | 12.97 | 12.00 | 4.76 | 4.00 | --- |
| Cramer's York | 2-12-6 | (6229) | 2.62 | 2.00 | 12.73 | 12.00 | 6.50 | 6.00 | --- |
| Cramer's York | 2-12-6 | (6823) | 2.29 | 2.00 | 12.82 | 12.00 | 6.69 | 6.00 | --- |
| Cramer's York | 2-12-6 | (6945) | 2.26 | 2.00 | 12.75 | 12.00 | 7.17 | 6.00 | --- |
| Cramer's York | 3-12-6 | (6230) | 3.28 | 3.00 | 12.79 | 12.00 | 6.44 | 6.00 | --- |
| Cramer's York | 4-8-8 | (6233) | 4.02 | 4.00 | 8.93 | 8.00 | 8.63 | 8.00 | --- |
| Cramer's York | 4-8-8 | (6268) | 4.01 | 4.00 | 8.63 | 8.00 | 8.80 | 8.00 | --- |
| Cramer's York | 4-8-8 | (6821) | 4.12 | 4.00 | 8.77 | 8.00 | 8.86 | 8.00 | --- |
| Cramer's York | 4-8-12 | (6227) | *3.45 | 4.00 | 9.61 | 8.00 | 13.52 | 12.00 | --- |
| Cramer's York | 4-12-4 | (6226) | 4.67 | 4.00 | 12.29 | 12.00 | 5.17 | 4.00 | --- |
| Cramer's York | 5-10-5 | (6234) | 5.48 | 5.00 | 11.09 | 10.00 | 5.95 | 5.00 | --- |
| Average | | | 3.30 | --- | 11.56 | --- | 6.68 | --- | --- |

*Deficient

TABLE IV. GROUND BONE FERTILIZERS—FURNISHING NITROGEN AND PHOSPHORIC ACID

| MANUFACTURER AND BRAND NAME | NITROGEN | | PHOSPHORIC ACID | |
|---|---|---|---|---|
| | Found | Guar. | Found | Guar. |
| | P. ct. | P. ct. | P. ct. | P. ct. |
| THE AMERICAN AGRICULTURAL CHEMICAL CO. New York, N. Y. | | | | |
| Fine Ground Bone (6304) | 3.06 | 2.47 | 25.30 | 23.00 |
| Fine Ground Bone (6309) | 2.40 | 2.47 | 27.30 | 23.00 |
| ARMOUR FERTILIZER WORKS, Baltimore, Md. | | | | |
| Armour's Bone Meal (6306) | 3.05 | 2.47 | *22.50 | 23.00 |
| Armour'e Bone Meal (6357) | 4.14 | 2.47 | *22.20 | 23.00 |
| Armour'e Bone Meal (6770) | 4.10 | 2.47 | *22.30 | 23.00 |
| Armour'e Raw Bone Meal (6355) | 3.95 | 3.70 | 22.60 | 20.50 |
| ASSOCIATED CHEMICAL CO., Bagerstown, Md. | | | | |
| Pure Raw Bone (6763) | 3.83 | 3.70 | 23.10 | 20.00 |
| BAUGH & SONS CO., Baltimore, Md. | | | | |
| Baugh'e Pure Steamed Bone Meal (6392) | 3.06 | 2.47 | 24.60 | 23.00 |
| Baugh's Raw Bone Meal (6296) | 3.86 | 3.70 | 23.60 | 20.50 |
| Baugh's Raw Bone Meal (6643) | 3.80 | 3.70 | 21.60 | 20.50 |
| Baugh'e Raw Bone Meal (7098) | 3.91 | 3.70 | 22.40 | 20.50 |
| THE DAVISON CHEMICAL CORP., Baltimore, Md. | | | | |
| Raw Bone Meal (6294) | 3.81 | 3.70 | 22.10 | 20.00 |
| FOX FERTILIZERS, Collingswood, N. J. | | | | |
| Bone Meal (6351) | 7.29 | 2.47 | *16.60 | 23.00 |
| A. H. HOFFMAN, INC., Landisville, Pa. | | | | |
| Hoffman's Bone Meal (6672) | 3.96 | 3.70 | 26.80 | 20.00 |
| INDEPENDENT MANUFACTURING CO., Philadelphia, Pa. | | | | |
| Independent'e Special Florist Bone Meal (7107) | 2.75 | 2.47 | 24.60 | 23.00 |
| READING BONE FERTILIZER CO., Reading, Pa. | | | | |
| Pure Raw Bone (6337) | 4.30 | 3.70 | 22.20 | 18.00 |
| Pure Raw Bone (7093) | 4.08 | 3.70 | 21.85 | 18.00 |
| F. S. ROYSTER GUANO CO., Baltimore, Md. | | | | |
| Royster Raw Bone Meal (6237) | 4.23 | 3.70 | 22.80 | 20.00 |
| F. W. TUNNELL & CO., INC., Philadelphia, Pa. | | | | |
| Pure Ground Bone (6326) | 3.08 | 2.47 | 24.60 | 23.00 |
| Pure Ground Bone (7075) | 2.73 | 2.47 | 25.60 | 23.00 |
| Raw Ground Bone (6346) | 4.03 | 3.70 | 22.10 | 21.50 |
| Raw Ground Bone (7102) | 4.03 | 3.70 | 22.40 | 21.50 |
| Average | 3.79 | ---- | 23.14 | ----- |

*Deficient

## TABLE V. SUPERPHOSPHATE AND LIME PHOSPHATE FERTILIZERS—FURNISHING PHOSPHORIC ACID

| MANUFACTURER AND BRAND NAME | PHOSPHORIC ACID | | | | | |
|---|---|---|---|---|---|---|
| | Total | | Available | | Insoluble | |
| | Found | Guar. | Found | Guar. | Found | Guar. |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **SUPERPHOSPHATE FERTILIZERS** | | | | | | |
| **THE ACME GUANO COMPANY, Baltimore, Md.** | | | | | | |
| Acme 16% Superphosphate (6235) | | | 17.48 | 16.00 | | |
| Acme 16% Superphoephate (6939) | | | 16.66 | 16.00 | | |
| Acme 20% Superphosphate (6236) | | | 21.42 | 20.00 | | |
| Acme 20% Superphoephate (6937) | | | 21.44 | 20.00 | | |
| **THE AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y.** | | | | | | |
| AA 16% Superphosphate (63B0) | | | 16.72 | 16.00 | | |
| AA 16% Superphosphate (6491) | | | 17.24 | 16.00 | | |
| AA 16% Superphoephate (6693) | | | 17.40 | 16.00 | | |
| AA 16% Superphosphate (7005) | | | 17.52 | 16.00 | | |
| AA 20% Superphosphate (6307) | | | 21.72 | 20.00 | | |
| AA 20% Superphoephate (6310) | | | 21.10 | 20.00 | | |
| AA 20% Superphosphate (63B2) | | | 21.46 | 20.00 | | |
| AA 20% Superphosphate (64B7) | | | 20.76 | 20.00 | | |
| AA 20% Superphosphate (6683) | | | 21.52 | 20.00 | | |
| AA 20% Superphosphate (6734) | | | 21.56 | 20.00 | | |
| AA 20% Superphosphate (6881) | | | 21.82 | 20.00 | | |
| AA 20% Superphosphate (7004) | | | 21.46 | 20.00 | | |
| AA 20% Superphosphate (7049) | | | 20.96 | 20.00 | | |
| AA 20% Superphosphate (7051) | | | 21.50 | 20.00 | | |
| AA 20% Superphosphate (7254) | | | 22.46 | 20.00 | | |
| AA 20% Superphosphate (7292) | | | 22.72 | 20.00 | | |
| AA 20% Superphosphate (7366) | | | 21.16 | 20.00 | | |
| AA 20% Superphosphate - Granulee (7231) | | | 21.3B | 20.00 | | |
| 18% Normal Superphosphate (700B) | | | 19.54 | 1B.00 | | |
| 1B% Normal Superphosphate (7044) | | | 19.44 | 1B.00 | | |
| 1B% Normal Superphosphate (7207) | | | 20.1B | 18.00 | | |
| 1B% Normal Superphosphate (7232) | | | 20.2B | 1B.00 | | |
| 1B% Normal Superphoephate (7364) | | | 19.44 | 1B.00 | | |
| **ARMOUR FERTILIZER WORKS, Baltimore, Md.** | | | | | | |
| Armour's Big Crop Superphosphate 16% (6261) | | | 16.64 | 16.00 | | |
| Armour's Big Crop Superphoephate 16% (662B) | | | 16.42 | 16.00 | | |
| Armour's Big Crop Superphosphate 16% (6675) | | | 16.78 | 16.00 | | |
| Armour's Big Crop Superphosphate 16% (6959) | | | 16.90 | 16.00 | | |
| Armour's Big Crop Superphosphate 20% (6253) | | | 21.16 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6354) | | | 21.50 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6624) | | | 20.70 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6677) | | | 21.04 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6743) | | | 21.24 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6819) | | | 21.04 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (695B) | | | 21.60 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (6983) | | | 21.72 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (7053) | | | 21.42 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (7225) | | | 21.98 | 20.00 | | |
| Armour's Big Crop Superphosphate 20% (735B) | | | 21.42 | 20.00 | | |
| **BALTIMORE FERTILIZER COMPANY, Baltimore, Md.** | | | | | | |
| Honest 16% Superphosphate (6662) | | | 17.2B | 16.00 | | |
| Honest 16% Superphosphate (6911) | | | 16.5B | 16.00 | | |
| Honest 20% Superphosphate (6661) | | | 21.54 | 20.00 | | |
| **BAUGR & SONS COMPANY, Philadelphia, Pa.** | | | | | | |
| Baughphos The Ideal 16% Superphosphate (6633) | | | 1B.42 | 16.00 | | |
| Baughphos The Ideal 20% Superphosphate (6175) | | | 21.54 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6334) | | | 21.68 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6389) | | | 21.12 | 20.00 | | |
| Baughphoe The Ideal 20% Superphosphate (6634) | | | 21.58 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (66B9) | | | 20.58 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6B62) | | | 21.86 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6892) | | | 21.74 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6904) | | | 20.26 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (6907) | | | 20.58 | 20.00 | | |
| Baughphos The Ideal 20% Superphoephate (7041) | | | 21.52 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (7065) | | | 20.96 | 20.00 | | |
| Baughphos The Ideal 20% Superphosphate (708B) | | | 21.20 | 20.00 | | |
| **CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.** | | | | | | |
| Farmrite Superphosphate 16% (6732) | | | 17.16 | 16.00 | | |
| Farmrite Superphosphate 16% (6950) | | | 17.32 | 16.00 | | |
| Farmrite Superphosphate 16% (6979) | | | 16.02 | 16.00 | | |
| Farmrite Superphosphate 16% (7023) | | | 1B.4B | 16.00 | | |
| Fermrite Superphosphate 20% (6297) | | | 21.06 | 20.00 | | |
| Farmrite Superphosphate 20% (6366) | | | 21.02 | 20.00 | | |
| Farmrite Superphosphate 20% (6474) | | | 21.20 | 20.00 | | |
| Farmrite Superphosphate 20% (6577) | | | 21.60 | 20.00 | | |
| Farmrite Superphoephate 20% (6731) | | | 21.70 | 20.00 | | |
| Farmrite Superphosphate 20% (6773) | | | 21.72 | 20.00 | | |
| Farmrite Superphosphate 20% (6B94) | | | 21.46 | 20.00 | | |
| Farmrite Superphosphate 20% (6910) | | | 20.B8 | 20.00 | | |
| Farmrite Superphosphate 20% (69B1) | | | 20.12 | 20.00 | | |
| Farmrite Superphosphate 20% (7032) | | | 20.80 | 20.00 | | |
| Farmrite Superphosphate Granulated 20% (7236) | | | 22.30 | 20.00 | | |
| **COOPERATIVE FERTILIZER SERVICE, Baltimore, Md.** | | | | | | |
| C. F. S. 16% Superphoephate (6563) | | | 16.86 | 16.00 | | |
| C. F. S. 20% Superphosphate (7164) | | | 21.20 | 20.00 | | |
| C. F. S. 20% Superphosphate (7242) | | | 21.66 | 20.00 | | |

## TABLE V. SUPERPHOSPHATE AND LIME PHOSPHATE FERTILIZERS—FURNISHING PHOSPHORIC ACID

| MANUFACTURER AND BRAND NAME | PHOSPHORIC ACID | | | | | |
|---|---|---|---|---|---|---|
| | Total | | Available | | Insoluble | |
| | Found | Guar. | Found | Guar. | Found | Guar. |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **COOPERATIVE G.L.F. SOIL BUILDING SERVICE, INC., New York, N. Y.** | | | | | | |
| G. L. F. 20% Superphoephate (7360) | | | 21.80 | 20.00 | | |
| G. L. F. 20% Superphosphate - Granular (6172) | | | 21.48 | 20.00 | | |
| G. L. F. 20% Superphosphata - Granular (6174) | | | 21.S6 | 20.00 | | |
| G. L. F. 20% Superphosphate - Granular (6176) | | | 21.74 | 20.00 | | |
| G. L. F. 20% Superphosphate - Gramular (6687) | | | 20.84 | 20.00 | | |
| G. L. F. 20% Superphosphate - Granular (7140) | | | 21.74 | 20.00 | | |
| G. L. F. 20% Superphosphate - Granular (7347) | | | 21.18 | 20.00 | | |
| G. L. F. 20% Superphosphate - Granular (73S9) | | | 21.S2 | 20.00 | | |
| **CUMBERLAND VALLEY COOPERATIVE ASSOCIATION Shippensburg, Pa.** | | | | | | |
| Old Reliable 20% Superphosphate (6909) | | | 20.10 | 20.00 | | |
| Old Reliable 20% Superphosphate (7000) | | | 21.60 | 20.00 | | |
| **DAVISON CHEMICAL CORPORATION Baltimore, Md.** | | | | | | |
| Davco Granulated 20% Superphosphate (6292) | | | 21.54 | 20.00 | | |
| Davco Granulated 20% Superphosphate (640S) | | | 21.86 | 20.00 | | |
| Davco Granulated 20% Superphosphate (6584) | | | 21.12 | 20.00 | | |
| Davco Granulated 20% Superphosphate (674S) | | | 21.46 | 20.00 | | |
| Davco Granulated 20% Superphosphate (686S) | | | 21.82 | 20.00 | | |
| Davco Granulated 20% Superphosphate (6924) | | | 21.66 | 20.00 | | |
| Davco Granulated 20% Superphosphate (7035) | | | 20.80 | 20.00 | | |
| Davco Granulated 20% Superphosphate (7176) | | | 21.78 | 20.00 | | |
| Davco Granulated 20% Superphosphate (72S0) | | | 21.98 | 20.00 | | |
| Davco Gramulated 20% Superphosphate (7286) | | | 22.16 | 20.00 | | |
| Davco Granulated 20% Superphosphate (7368) | | | 21.96 | 20.00 | | |
| **AMOS EBY & COMPANY Paradise, Pa.** | | | | | | |
| Eby Superphosphate 16% (6541) | | | 16.96 | 16.00 | | |
| Eby Superphosphate 20% (6540) | | | 21.44 | 20.00 | | |
| **EASTERN STATES FARMERS' EXCHANGE Springfield, Mass.** | | | | | | |
| Eastern States 20% Superphosphate - Granular (70S7) | | | 21.22 | 20.00 | | |
| Eastern States 20% Superphosphate - Granular (7188) | | | 21.90 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (666S) | | | 21.S6 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (6839) | | | 20.92 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (7058) | | | 20.94 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (7183) | | | 21.88 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (7187) | | | 21.S8 | 20.00 | | |
| Eastern States 20% Superphosphate - Pulverized (7263) | | | 21.88 | 20.00 | | |
| Eastern States 47% Triple Superphosphate (6846) | | | 47.36 | 47.00 | | |
| Eastern States 47% Triple Superphosphate (7181) | | | 48.20 | 47.00 | | |
| **FARMERS FERTILIZER WORKS Elizabethtown, Pa.** | | | | | | |
| Farmers Acid Phosphate 16% (6S1S) | | | 16.S6 | 16.00 | | |
| Farmers Acid Phosphate 16% (7340) | | | 16.40 | 16.00 | | |
| Farmers Acid Phosphate 20% (6518) | | | 21.S6 | 20.00 | | |
| Farmers Acid Phosphate 20% (7338) | | | 21.04 | 20.00 | | |
| **GRIFFITH & BOYD COMPANY Baltimore, Md.** | | | | | | |
| High Grade 16% Superphosphate (69S3) | | | 17.S2 | 16.00 | | |
| Special 20% Superphosphate (6660) | | | 21.62 | 20.00 | | |
| Special 20% Superphosphate (6943) | | | 21.S6 | 20.00 | | |
| Special 20% Superphosphate (7228) | | | 22.14 | 20.00 | | |
| Special 20% Superphosphate (7262) | | | 21.96 | 20.00 | | |
| **KOLLER FERTILIZER COMPANY Coatsville, Pa.** | | | | | | |
| Koller's R. G. 16% Superphosphate (6774) | | | 18.60 | 16.00 | | |
| Koller's H. G. 20% Superphosphate (6775) | | | 21.76 | 20.00 | | |
| Koller's H. G. 20% Superphosphate (7324) | | | 21.86 | 20.00 | | |
| Koller's H. G. 20% Granular Superphosphate (6776) | | | 21.76 | 20.00 | | |
| Koller's H. C. 20% Granular Superphosphate (7325) | | | 21.64 | 20.00 | | |
| **LANCASTER BONE FERTILIZER CO., INC. Quarryvilla, Pa.** | | | | | | |
| Conestoga Brand Superphosphate 18% (6501) | | | 18.76 | 18.00 | | |
| Conestoga Brand Superphosphate 18% (6S29) | | | 21.04 | 18.00 | | |
| Conestoga Brand Superphosphate 18% (679S) | | | 18.88 | 18.00 | | |
| Conestoga Brand Superphosphata 18% (7316) | | | 19.34 | 18.00 | | |
| Conestoga Brand Superphosphate 18% (7322) | | | 18.96 | 18.00 | | |
| Conestoga Brand Superphosphate 18% (7342) | | | 18.62 | 18.00 | | |
| Conestoga Brand Superphosphate 20% (6495) | | | 21.76 | 20.00 | | |
| Conestoga Brand Superphosphate 20% (6526) | | | 20.94 | 20.00 | | |
| Conastoga Brand Superphosphate 20% (6794) | | | 20.S0 | 20.00 | | |
| Coneetoga Brand Superphoephate 20% (7323) | | | 21.44 | 20.00 | | |

## TABLE V. SUPERPHOSPHATE AND LIME PHOSPHATE FERTILIZERS—FURNISHING PHOSPHORIC ACID

| MANUFACTURER AND BRAND NAME | PHOSPHORIC ACID | | | | | |
|---|---|---|---|---|---|---|
| | Total | | Available | | Insoluble | |
| | Found | Guar. | Found | Guar. | Found | Guar. |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **LEBANON FERTILIZER WORKS, Lebanon, Pa.** | | | | | | |
| Levan's Superphosphate 16% (6708) | | | 16.34 | 16.00 | | |
| Levan's Superphosphate 20% (6698) | | | 20.92 | 20.00 | | |
| **FRED E. LORD INC., Espy, Pa.** | | | | | | |
| Lord's 20% Superphosphate (7123) | | | 20.88 | 20.00 | | |
| **MILLER CHEMICAL & FERTILIZER CORP., Baltimore, Md.** | | | | | | |
| Rich Yield 16% Superphosphate (6922) | | | 17.30 | 16.00 | | |
| Rich Yield 20% Superphosphate (6921) | | | 20.96 | 20.00 | | |
| **READING BONE FERTILIZER COMPANY, Reading, Pa.** | | | | | | |
| Reading 16% Superphosphate (6338) | | | 16.78 | 16.00 | | |
| Reading 16% Superphosphate (6883) | | | 16.16 | 16.00 | | |
| Reading 16% Superphosphate (7085) | | | 17.06 | 16.00 | | |
| Reading 20% Superphosphate (6882) | | | 21.18 | 20.00 | | |
| Reading 20% Superphosphate (6963) | | | 20.22 | 20.00 | | |
| Reading 20% Superphosphate (7094) | | | 21.24 | 20.00 | | |
| Reading 20% Superphosphate (7137) | | | 20.48 | 20.00 | | |
| Reading 20% Superphosphate (7309) | | | 20.78 | 20.00 | | |
| **F. S. ROYSTER GUANO COMPANY, Baltimore, Md.** | | | | | | |
| Royster Superphosphate 16% (6241) | | | 18.40 | 16.00 | | |
| Royster Superphosphate 16% (6896) | | | 16.42 | 16.00 | | |
| Royster Superphosphate 20% (6238) | | | 21.60 | 20.00 | | |
| Royster Superphosphate 20% (6969) | | | 21.90 | 20.00 | | |
| Royster Superphosphate 20% (7297) | | | 21.52 | 20.00 | | |
| **M. L. SHOEMAKER & CO., INC., Philadelphia, Pa.** | | | | | | |
| Swift Sure 20% Superphosphate (6321) | | | 22.00 | 20.00 | | |
| **SOMERSET COUNTY FERTILIZER WORKS, INC., Somerset, Pa.** | | | | | | |
| Beaver Brand 20% (7272) | | | 21.80 | 20.00 | | |
| **STANDARD WHOLESALE PHOSPHATE & ACID WORKS, INC., Baltimore, Md.** | | | | | | |
| Standard 20% Superphosphate (6687) | | | 21.38 | 20.00 | | |
| Standard 20% Superphosphate (6893) | | | 20.96 | 20.00 | | |
| Standard 20% Superphosphate (7213) | | | 21.44 | 20.00 | | |
| **SWACK FERTILIZER COMPANY, DuBois, Pa.** | | | | | | |
| Swack's Superphoephate 20% (6573) | | | 20.28 | 20.00 | | |
| Swack's Superphosphate 20% (6613) | | | 24.62 | 20.00 | | |
| Swack's Superphosphate 20% (6986) | | | 20.74 | 20.00 | | |
| Swack's Superphosphate 20% (6997) | | | 21.80 | 20.00 | | |
| **SWIFT & COMPANY FERTILIZER WORKS, Baltimore, Md.** | | | | | | |
| Swift's Red Steer Superphosphate 20% (6400) | | | 22.12 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (6580) | | | 21.40 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (6761) | | | 21.24 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (6913) | | | 20.24 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (6994) | | | 21.06 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (7221) | | | 21.76 | 20.00 | | |
| Swift's Red Steer Superphosphate 20% (7238) | | | 22.06 | 20.00 | | |
| **I. P. THOMAS & SONS COMPANY, Camden, N. J.** | | | | | | |
| 16% Superphosphate (6177) | | | 16.98 | 16.00 | | |
| 20% Superphosphate (6178) | | | 20.48 | 20.00 | | |
| **F. W. TUNNELL & CO., INC., Philadelphia, Pa.** | | | | | | |
| Tunnell's 16% Superphosphate (7074) | | | 17.60 | 16.00 | | |
| Tunnell's 20% Superphosphate (7100) | | | 22.88 | 20.00 | | |
| **VIRGINIA-CAROLINA CHEMICAL CORPORATION, Baltimore, Md.** | | | | | | |
| V-C 16% Superphosphate (6797) | | | 17.34 | 16.00 | | |
| V-C 16% Superphosphate (6977) | | | 16.80 | 16.00 | | |
| V-C 16% Superphoephate (7152) | | | 17.30 | 16.00 | | |
| V-C 20% Superphosphate (6394) | | | 21.26 | 20.00 | | |
| V-C 20% Superphosphate (6446) | | | 21.36 | 20.00 | | |
| V-C 20% Superphosphate (6762) | | | 21.64 | 20.00 | | |
| V-C 20% Superphosphate (6807) | | | 21.26 | 20.00 | | |
| V-C 20% Superphosphate (6978) | | | 21.86 | 20.00 | | |
| V-C 20% Superphosphate (7133) | | | 21.72 | 20.00 | | |
| V-C 20% Superphosphate (7256) | | | 21.84 | 20.00 | | |
| **YORK CHEMICAL WORKS, York, Pa.** | | | | | | |
| Dempwolf's Superphoephete 16% (6198) | | | 19.36 | 16.00 | | |
| Dempwolf's Superphosphate 20% (6194) | | | 21.16 | 20.00 | | |
| **YORK STONE & SUPPLY COMPANY, York, Pa.** | | | | | | |
| Cramer's York 20% Superphosphate (6231) | | | 21.90 | 20.00 | | |
| Cramer's York 20% Superphosphate (6822) | | | 21.66 | 20.00 | | |
| Cramer's York 20% Superphosphate (6944) | | | 21.68 | 20.00 | | |

## TABLE V. SUPERPHOSPHATE AND LIME PHOSPHATE FERTILIZERS—FURNISHING PHOSPHORIC ACID

| MANUFACTURER AND BRAND NAME | PHOSPHORIC ACID | | | | | |
|---|---|---|---|---|---|---|
| | Total | | Available | | Insoluble | |
| | Found | Guar. | Found | Guar. | Found | Guar. |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| LIME PHOSPHATE FERTILIZERS | | | | | | |
| THE AMERICAN AGRICULTURAL CHEMICAL CO. New York, N. Y. | | | | | | |
| AA Basic Lima Phosphata 16% (6655) | | | 16.88 | 16.00 | | |
| AA Basic Lime Phoephate 16% (6927) | | | 17.12 | 16.00 | | |
| AA Basic Lima Phosphata 16% (7006) | | | 17.62 | 16.00 | | |
| ARMOUR FERTILIZER WORKS, Baltimore, Md. | | | | | | |
| Armour's Big Crop Lima Phosphate 16% (6252) | | | 16.60 | 16.00 | | |
| Armour's Big Crop Lima Phosphate 16% (6629) | | | 16.52 | 16.00 | | |
| Armour's Big Crop Lime Phoephate 16% (7194) | | | 16.94 | 16.00 | | |
| BAUGH & SONS CO., Baltimora, Md. | | | | | | |
| Baugh's Lime & Phosphate (6638) | | | 16.94 | 16.00 | | |
| Baugh'e Lime & Phoephate (6906) | | | 16.04 | 16.00 | | |
| CENTRAL CHEMICAL CORP. OF MARYLAND Hageretown, Md. | | | | | | |
| Farmrita Carbo Lime Phosphata 16% (6477) | | | 17.16 | 16.00 | | |
| Farmrite Carbo Lime Phosphate 16% (6948) | | | 16.94 | 16.00 | | |
| LEBANON FERTILIZER WORKS, Lebanon, Pa. | | | | | | |
| Levans Lime Phoephate 16% (6697) | | | 16.16 | 16.00 | | |
| MILLER CHEMICAL & FERTILIZER CORP. Baltimora, Md. | | | | | | |
| Rich Yield Lime & Phoephate (6923) | | | 18.20 | 16.00 | | |
| VIRGINIA-CAROLINA CHEMICAL CORP. Baltimora, Md. | | | | | | |
| V. C. 16% Phosphate & Lima Mixture (7151) | | | 16.78 | 16.00 | | |
| YORK CHEMICAL WORKS, York, Pa. | | | | | | |
| Dempwolf's Lima Phosphate 16% (6197) | | | 16.94 | 16.00 | | |
| Avaraga | | | 16.92 | ----- | | |

## TABLE VI. ROCK AND POTASH FERTILIZERS—FURNISHING PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | | | Found | Guar. | Found | Guar. | As Muriate |
| | | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **THE ACME GUANO COMPANY, Baltimore, Md.** | | | | | | | |
| Acme | 0-12-5 | (6938) | 13.65 | 12.00 | 6.16 | 5.00 | --- |
| Acme | 0-14-6 | (6222) | 15.20 | 14.00 | 6.38 | 6.00 | --- |
| Acme | 0-14-6 | (6941) | 14.40 | 14.00 | 6.00 | 6.00 | --- |
| **THE AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y.** | | | | | | | |
| AA Chieftein Mixture | 0-14-6 | (6201) | 14.80 | 14.00 | 6.26 | 6.00 | --- |
| AA Chieftein Mixture | 0-14-6 | (6378) | 15.70 | 14.00 | *5.68 | 6.00 | --- |
| AA Chieftain Mixture | 0-14-6 | (6651) | 15.00 | 14.00 | 6.29 | 6.00 | --- |
| AA Chieftein Mixture | 0-14-6 | (7210) | 15.44 | 14.00 | 6.72 | 6.00 | --- |
| AA Victory Mixture | 0-12-5 | (6649) | 12.86 | 12.00 | 5.17 | 5.00 | --- |
| AA Victory Mixture | 0-12-5 | (7017) | 12.84 | 12.00 | 5.00 | 5.00 | --- |
| AA XXX Mixture | 0-12-12 | (6650) | 12.84 | 12.00 | 12.72 | 12.00 | --- |
| AA XXX Mixture | 0-12-12 | (7021) | 12.55 | 12.00 | 13.37 | 12.00 | --- |
| AA XXX Mixture | 0-12-12 | (7211) | 13.21 | 12.00 | 13.04 | 12.00 | --- |
| AA XXX Mixture | 0-12-12 | (7291) | 13.34 | 12.00 | 12.66 | 12.00 | --- |
| Agrico | 0-14-6 | (7016) | 14.90 | 14.00 | 6.43 | 6.00 | --- |
| **ARMOUR FERTILIZER WORKS, Baltimore, Md.** | | | | | | | |
| Armour's Big Crop Fertilizer | 0-12-12 | (6262) | 12.36 | 12.00 | 12.57 | 12.00 | --- |
| Armour's Big Crop Fertilizer | 0-12-12 | (6623) | 12.80 | 12.00 | 12.54 | 12.00 | --- |
| Armour's Big Crop Fertilizer | 0-12-12 | (7200) | 12.32 | 12.00 | 12.00 | 12.00 | --- |
| Armour's Big Crop Fertilizer | 0-14-6 | (6259) | 15.10 | 14.00 | 5.82 | 6.00 | --- |
| Armour's Big Crop Fertilizer | 0-14-6 | (6622) | 14.46 | 14.00 | 6.25 | 6.00 | --- |
| Armour's Big Crop Fertilizer | 0-14-6 | (6673) | 14.54 | 14.00 | 6.14 | 6.00 | --- |
| Armour's Big Crop Fertilizer | 0-14-6 | (7196) | 15.32 | 14.00 | 5.97 | 6.00 | --- |
| **BAUGH & SONS COMPANY, Baltimore, Md.** | | | | | | | |
| Phosphate & Potash Mixture | 0-12-5 | (7203) | 12.63 | 12.00 | 5.00 | 5.00 | --- |
| Baugh's Phosphate & Potash Mixture | 0-12-12 | (6333) | 12.87 | 12.00 | 11.97 | 12.00 | --- |
| Baugh's Phosphate & Potash Mixture | 0-12-12 | (6645) | 12.57 | 12.00 | 12.57 | 12.00 | --- |
| Baugh's Phosphate & Potash Mixture | 0-14-6 | (6642) | 14.56 | 14.00 | 6.42 | 6.00 | --- |
| Baugh's Phosphate & Potash Mixture | 0-14-6 | (6957) | 14.84 | 14.00 | 6.17 | 6.00 | --- |
| Baugh's Phosphate & Potash Mixture | 0-14-6 | (7066) | 14.48 | 14.00 | 6.12 | 6.00 | --- |
| **CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md.** | | | | | | | |
| Farmrite Fertilizer | 0-10-10 | (6895) | *8.82 | 10.00 | 10.09 | 10.00 | --- |
| Farmrite Fertilizer | 0-12-12 | (6726) | *10.74 | 12.00 | *10.33 | 12.00 | --- |
| Farmrite Fertilizer | 0-12-12 | (7024) | 12.12 | 12.00 | 12.62 | 12.00 | --- |
| Farmrite Fertilizer | 0-14-6 | (6416) | 16.04 | 14.00 | *5.21 | 6.00 | --- |
| Farmrite Fertilizer | 0-14-6 | (6479) | 15.26 | 14.00 | 6.59 | 6.00 | --- |
| Farmrite Fertilizer | 0-14-6 | (6727) | 14.46 | 14.00 | 6.55 | 6.00 | --- |
| Farmrite Fertilizer | 0-14-6 | (6912) | 14.34 | 14.00 | 6.49 | 6.00 | --- |
| Farmrite Fertilizer | 0-14-6 | (7022) | 15.14 | 14.00 | 7.27 | 6.00 | --- |
| Farmrite Potash Special | | (6415) | 12.38 | 12.00 | 5.51 | 5.00 | --- |
| Farmrite Potash Special | 0-12-5 | (6928) | 11.81 | 12.00 | 5.31 | 5.00 | --- |
| **COOPERATIVE FERTILIZER SERVICE, Baltimore, Md.** | | | | | | | |
| C. F. S. | 0-12-12 | (6566) | 12.95 | 12.00 | 12.02 | 12.00 | --- |
| C. F. S. | 0-14-6 | (7218) | 15.74 | 14.00 | 6.00 | 6.00 | --- |
| **CUMBERLAND VALLEY COOPERATIVE ASS'N., Shippensburg, Pa.** | | | | | | | |
| Old Reliable Valley Special | | (6908) | 14.22 | 14.00 | 6.61 | 6.00 | --- |
| **THE DAVISON CHEMICAL CORPORATION, Baltimore, Md.** | | | | | | | |
| Davco Granuleted Fertilizer | 0-14-6 | (6925) | 14.82 | 14.00 | 6.30 | 6.00 | --- |
| **EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass.** | | | | | | | |
| Eastern States | 0-20-20 | (6840) | 22.40 | 20.00 | *18.18 | 20.00 | --- |
| Eastern States | 0-20-20 | (7059) | 20.50 | 20.00 | 21.02 | 20.00 | --- |
| Eastern States | 0-20-20 | (7192) | 20.94 | 20.00 | 21.14 | 20.00 | --- |
| Eastern States | 0-24-12 | (6666) | 24.60 | 24.00 | 12.72 | 12.00 | --- |
| Eastern States | 0-24-12 | (6841) | 24.70 | 24.00 | 12.36 | 12.00 | --- |
| Eastern States | 0-24-12 | (7179) | 25.06 | 24.00 | 12.91 | 12.00 | --- |
| Eastern States | 0-24-12 | (7190) | 24.79 | 24.00 | 12.85 | 12.00 | --- |
| **AMOS EBY & COMPANY, Paradise, Pa.** | | | | | | | |
| Eby Farmers Mixture | | (6539) | 12.86 | 12.00 | 5.40 | 5.00 | --- |
| **FARMERS FERTILIZER WORKS, Elizabethtown, Pa.** | | | | | | | |
| Farmers Phosphate & Potash | | (6512) | 12.61 | 12.00 | 5.18 | 5.00 | --- |
| Farmers Phosphate & Potash | 0-12-5 | (7337) | 12.61 | 12.00 | 5.02 | 5.00 | --- |

*Deficient

## TABLE VI. ROCK AND POTASH FERTILIZERS—FURNISHING PHOSPHORIC ACID AND POTASH

| MANUFACTURER AND BRAND NAME | | | AVAILABLE PHOSPHORIC ACID | | POTASH | | |
|---|---|---|---|---|---|---|---|
| | | | Found | Guar. | Found | Guar. | As Muriate |
| | | | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| **GRIFFITH & SOYD COMPANY, Baltimore, Md.** | | | | | | | |
| Phosphate & Potash | 0-14-6 | (6837) | *13.06 | 14.00 | 5.90 | 6.00 | --- |
| Phosphate & Potash | 0-14-6 | (7129) | 14.08 | 14.00 | 6.22 | 6.00 | --- |
| Special Grain Grower | 0-12-5 | (6965) | 12.06 | 12.00 | 5.18 | 5.00 | --- |
| **KOLLER FERTILIZER COMPANY, Coatsville, Pa.** | | | | | | | |
| Koller'e Electric Phosphate | | (6777) | 16.26 | 14.00 | *4.55 | 6.00 | --- |
| Koller'e Electric Phosphate | 0-14-6 | (7326) | 16.80 | 14.00 | *5.76 | 6.00 | --- |
| **LANCASTER SONE FERTILIZER CO., INC., Quarryville, Pa.** | | | | | | | |
| Conestoga Brand | 0-14-6 | (6502) | 14.68 | 14.00 | 6.38 | 6.00 | --- |
| Conestoga Brand | 0-14-6 | (6523) | 14.34 | 14.00 | 6.65 | 6.00 | --- |
| Conestoga Brand | 0-14-6 | (6793) | 14.14 | 14.00 | 8.75 | 6.00 | --- |
| Conestoga Brand | 0-14-6 | (7315) | 14.52 | 14.00 | 6.16 | 6.00 | --- |
| Conestoga Brand | 0-14-6 | (7321) | 15.72 | 14.00 | 5.86 | 6.00 | --- |
| Conestoga Brand | 0-14-6 | (7345) | 14.78 | 14.00 | *5.55 | 6.00 | --- |
| **LEBANON FERTILIZER WORKS, Lebanon, Pa.** | | | | | | | |
| Levan's | 0-12-5 | (6696) | 12.03 | 12.00 | 5.14 | 5.00 | --- |
| **FRED E. LORD INC., Espy, Pa.** | | | | | | | |
| Lord's | 0-14-6 | (6436) | 14.46 | 14.00 | 6.94 | 6.00 | --- |
| Lord'a | 0-14-6 | (7122) | 14.92 | 14.00 | 5.93 | 6.00 | --- |
| **MILLER CHEMICAL & FERTILIZER CORP., Baltimore, Md.** | | | | | | | |
| Rich Yield Fertilizer | 0-12-5 | (6916) | 13.92 | 12.00 | 6.65 | 5.00 | --- |
| **READING SONE FERTILIZER CO., Reading, Pa.** | | | | | | | |
| Reading Phosphate & Potash | 0-14-6 | (6551) | 14.40 | 14.00 | 6.16 | 6.00 | --- |
| Reading Phosphate & Potash | 0-14-6 | (7083) | 15.02 | 14.00 | 5.91 | 6.00 | --- |
| **F. S. ROYSTER GUANO COMPANY, Baltimore, Md.** | | | | | | | |
| Royster Phosphate & Potash | 0-10-10 | (6482) | 10.91 | 10.00 | 9.96 | 10.00 | --- |
| Royster Phosphate & Potash | 0-14-6 | (6972) | 14.76 | 14.00 | 6.34 | 6.00 | --- |
| **SOMERSET COUNTY FERTILIZER WORKS, Somerset, Pa.** | | | | | | | |
| Beaver Brand | 0-12-5 | (6858) | *11.50 | 12.00 | 5.39 | 5.00 | --- |
| Beaver Brand | 0-12-5 | (7271) | 13.68 | 12.00 | 5.86 | 5.00 | --- |
| Beaver Brand | 0-12-5 | (7279) | 12.95 | 12.00 | 6.18 | 5.00 | --- |
| **SWACK FERTILIZER COMPANY, DuBois, Pa.** | | | | | | | |
| Swack's | 14-6 | (6615) | 14.92 | 14.00 | 6.09 | 6.00 | --- |
| **SWIFT & COMPANY FERTILIZER WORKS, Baltimore, Md.** | | | | | | | |
| Swift's Red Steer | 0-12-5 | (7217) | 12.00 | 12.00 | 5.35 | 5.00 | --- |
| Swift's Red Steer | 0-14-6 | (6967) | 14.48 | 14.00 | 6.70 | 6.00 | --- |
| **F. W. TUNNELL & COMPANY, Philadelphia, Pa.** | | | | | | | |
| Tunnell'e 0-14-7 Fertilizer | | (6342) | 14.78 | 14.00 | 7.25 | 7.00 | --- |
| Tunnell's 0-14-7 Fertilizer | | (7062) | 14.10 | 14.00 | 7.43 | 7.00 | --- |
| Tunnell's 0-14-7 Fertilizer | | (7101) | 15.84 | 14.00 | 6.91 | 7.00 | --- |
| **UNION FERTILIZER CORPORATION, Pikesville, Md.** | | | | | | | |
| U. F. C. 0-14-6 Fertilizer | | (6936) | 13.88 | 14.00 | 5.97 | 6.00 | --- |
| **VIRGINIA-CAROLINA CHEMICAL CORPORATION, Baltimore, Md.** | | | | | | | |
| V-C | 0-12-5 | (6796) | 12.89 | 12.00 | 5.41 | 5.00 | --- |
| V-C Fertilizer | 0-12-12 | (6442) | 12.35 | 12.00 | 12.24 | 12.00 | --- |
| V-C Fertilizer | 0-14-6 | (6445) | 14.76 | 14.00 | 6.34 | 6.00 | --- |
| V-C Fertilizer | 0-14-6 | (7150) | 14.74 | 14.00 | 6.28 | 6.00 | --- |
| **YORK CHEMICAL WORKS, York, Pa.** | | | | | | | |
| Dempwolf's | 0-10-10 | (6190) | 10.57 | 10.00 | 10.79 | 10.00 | --- |
| Dempwolf's | 0-12-5 | (6186) | 12.43 | 12.00 | 5.78 | 5.00 | --- |
| Dempwolf's | 0-14-6 | (6185) | 14.64 | 14.00 | 6.91 | 6.00 | --- |
| **YORK STONE & SUPPLY COMPANY, York, Pa.** | | | | | | | |
| Cramer's York | 0-12-5 | (6232) | 12.93 | 12.00 | 6.28 | 5.00 | --- |
| Cramer's York | 0-12-5 | (7215) | 12.36 | 12.00 | 5.54 | 5.00 | --- |
| Cramer's York | 0-14-6 | (6947) | 14.66 | 14.00 | 7.12 | 6.00 | --- |
| Average | | | 14.52 | --- | 7.90 | --- | --- |

*Deficient

## TABLE VII. MISCELLANEOUS FERTILIZERS

| MANUFACTURER AND BRAND NAME | NITROGEN | | PHOSPHORIC ACID | | | | | | POTASH | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Total | | Available | | Insoluble | | | | |
| | Found | Guar. | Found | Guar. | Found | Guar. | Found | Guar. | Found | Guar. | As Muriate |
| | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. | P. ct. |
| NITRATE OF SODA | | | | | | | | | | | |
| THE BARRETT COMPANY, New York, N. Y. | | | | | | | | | | | |
| Arcadian The American Nitrate of Soda (6659) | 16.24 | 16.00 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Arcadian The American Nitrate of Soda (6886) | 16.22 | 16.00 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| CHILEAN NITRATE SALES CORP., New York, N. Y. | | | | | | | | | | | |
| Champion Brand Chilean Nitrate of Soda (6293) | 16.18 | 16.00 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Champion Brand Chilean Nitrate of Soda (6847) | 16.08 | 16.00 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Champion Brand Chilean Nitrate of Soda (7249) | 16.00 | 16.00 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Average | 16.14 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| SULPHATE OF AMMONIA | | | | | | | | | | | |
| THE AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y. | | | | | | | | | | | |
| Sulphate of Ammonia (6648) | 20.88 | 20.50 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| ARMOUR FERTILIZER WORKS, Baltimore, Md. | | | | | | | | | | | |
| Armour's Sulphate of Ammonia (6258) | 20.44 | 20.50 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Average | 20.66 | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| MURIATE OF POTASH | | | | | | | | | | | |
| THE AMERICAN AGRICULTURAL CHEMICAL CO., New York, N. Y. | | | | | | | | | | | |
| Muriate of Potash (6302) | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 50.16 | 50.00 | ----- |
| F. S. ROYSTER GUANO CO., Baltimore, Md. | | | | | | | | | | | |
| Royster Muriate of Potash (6243) | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 51.08 | 50.00 | ----- |
| Average | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | 50.62 | ----- | ----- |